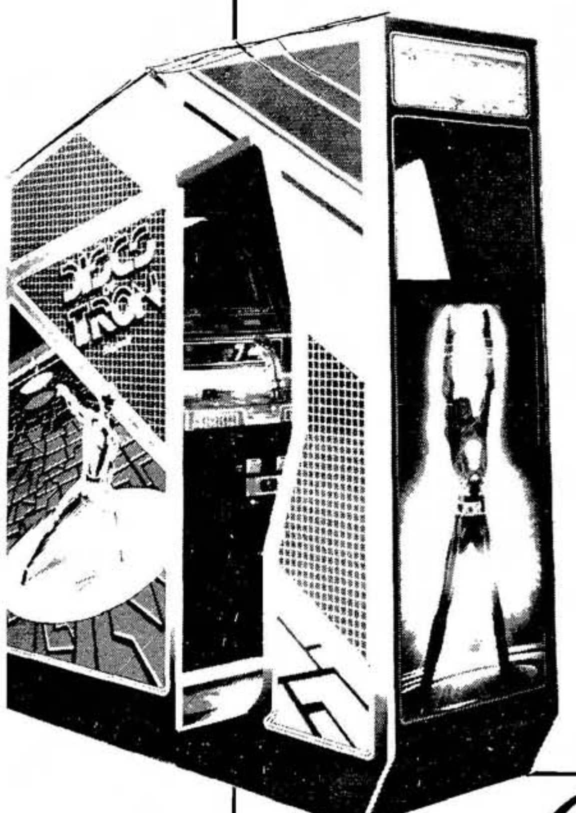
August 1983
Game No's. 696-383





Parts and Operating Manual

Bally

MIDWAY MFG. CO.

10601 W. Belmont Avenue
Franklin Park, Illinois 60131
U.S.A.

Phone: (312) 451-9200 Cable Address: MIDCO Telex No.: 72-1596

Form No. 0696-00300-0000

WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a CLASS A computing device pursuant to SUBPART J of PART 15 of FCC RULES, which are designed to provide reasonable protection against such interference when operated in a commerical environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

Printed in U.S.A.

TABLE OF CONTENTS

DESCRIPTION **PAGE**

DISCS OF TRON

GAME OPERATION

ATTRACT MODE

1. The Attract mode starts:

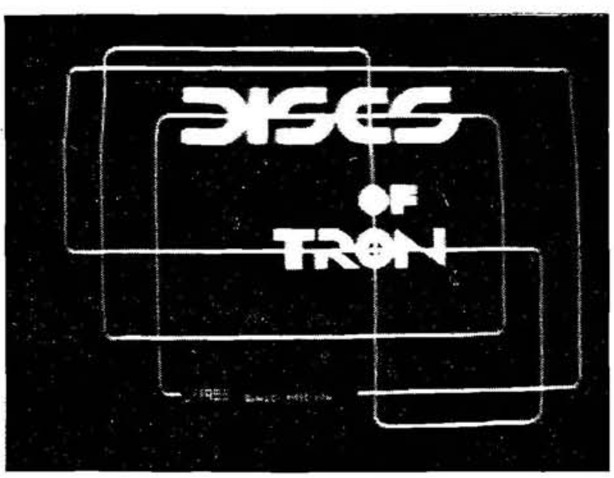
☐ Just after power has been turned on to the game. (Self-Test switch is in the "OFF" position.)

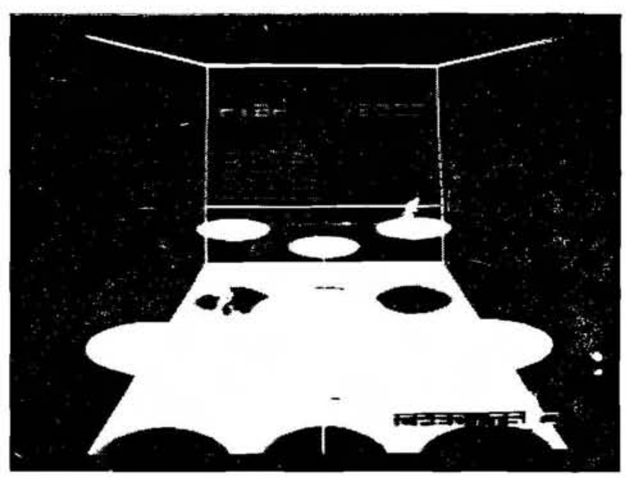
☐ After a Self-Test has been completed and there are no more credits left in the games memory.

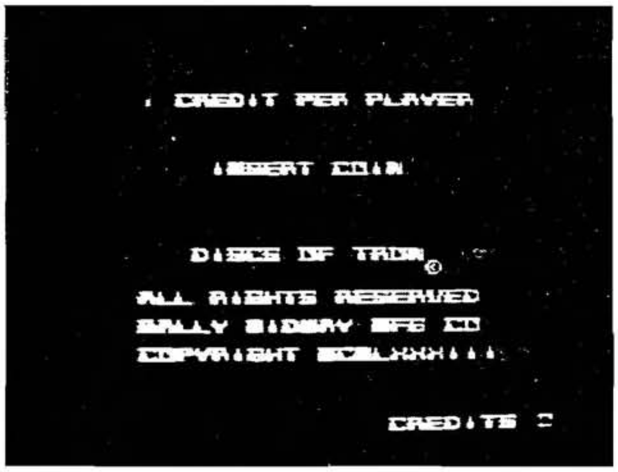
☐ After a play has been finished, the score was not high enough to put the game into the High Score/Initial mode, and there are no more credits left in the games memory.

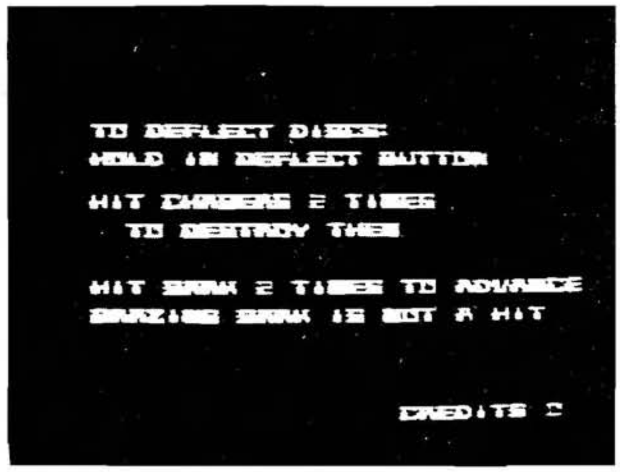
☐ After the High Score/Initial mode when there are no more credits left in its memory.

☐ In the Attract mode, the game will give the following displays *centered* on the monitor screen:

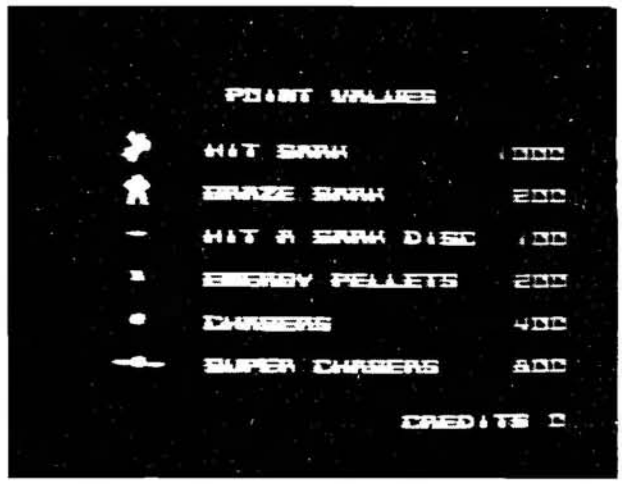




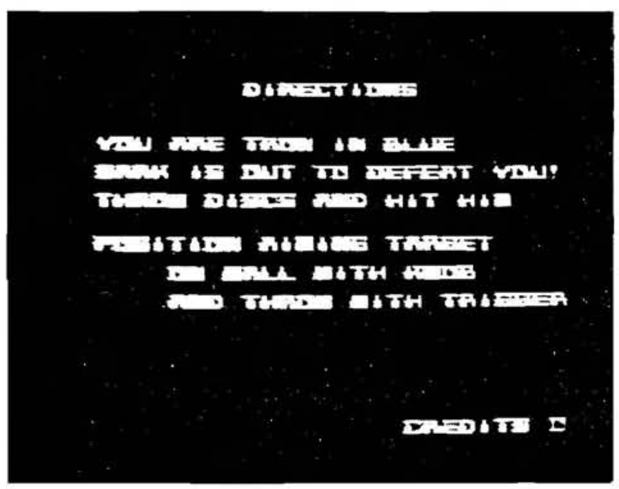

1 CREDIT PER PLAYER
INSERT COIN
DISCS OF TRON ©
ALL RIGHTS RESERVED
BALLY MIDWAY MFG CO
COPYRIGHT MCMLXXXIII
CREDITS 0


TO DEFLECT DISCS:
HOLD IN DEFLECT BUTTON
HIT CHASERS 2 TIMES
TO DESTROY THEM
HIT SARK 2 TIMES TO ADVANCE
GRAZING SARK IS NOT A HIT
CREDITS 0

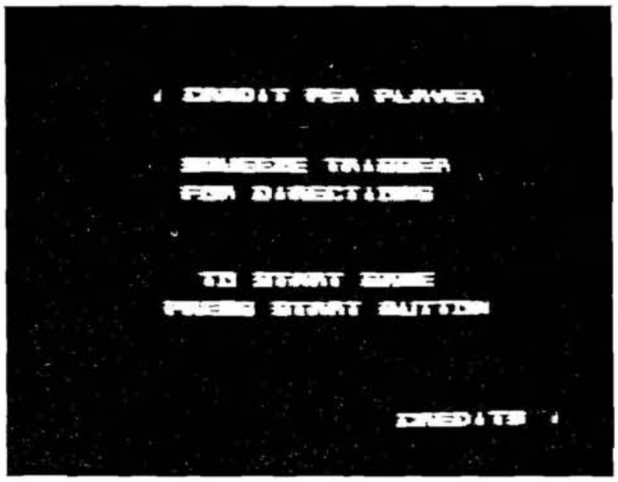

WHEN THE RING PLATFORMS
MOVE UP OR DOWN..
CHANGE TARGET LEVEL BY
MOVING THE KNOB UP OR DOWN
CREDITS 0


POINT VALUES
HIT SARK 1000
GRAZE SARK 200
HIT A SARK DISC 100
ENERGY PELLETS 200
CHASERS 400
SUPER CHASERS 800
CREDITS 0


RANKINGS
CREDITS 0


DIRECTIONS
YOU ARE TRON IN BLUE
SARK IS OUT TO DEFEAT YOU!
THROW DISCS AND HIT HIM
POSITION AIMING TARGET
ON WALL WITH KNOB
AND THROW WITH TRIGGER
CREDITS 0

☐ No matter where the game is in the Attract mode sequence, it will immediately go to the following display as soon as a game has been paid for. This display will remain on the monitor screen until the "1 PLAYER" or the "2 PLAYER" start button is pressed.



READY-TO-PLAY MODE

1. The **Ready-To-Play mode starts** when enough coins have been accepted for a 1 or a 2 player game.
2. The **Ready-To-Play mode ends** when either the "1 PLAYER" or the "2 PLAYER" push button is pressed.
3. In the Ready-To-Play mode, the game will give the above displays *centered* on the monitor screen.
4. If no START button is pressed, the displays will remain indefinitely on the monitor screen as shown above.

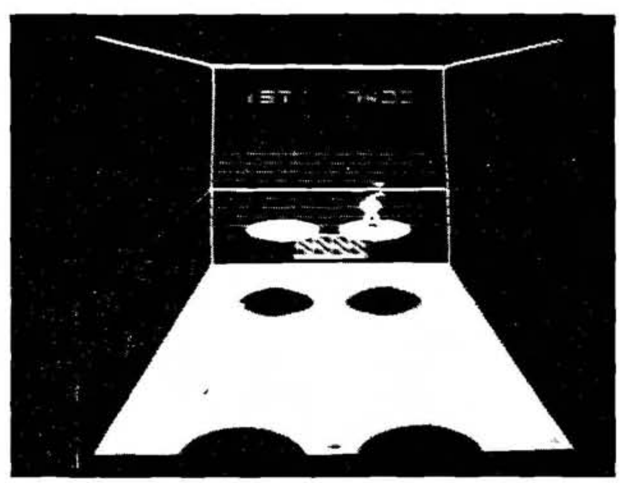
PLAY MODE

1. The **Play mode begins** when either the "1 PLAYER" or the "2 PLAYER" start button is pressed. (The game displays a message as to when **BONUS PLAYERS** are awarded.)
2. The **Play mode ends** when all of your PLAYERS have been eliminated. When this happens, **"PLAYER 1" "GAME OVER"** is written across the *center* of the monitor screen.
3. **ON THE SCREEN:** The game is made up a completely enclosed square ARENA, this includes the top and bottom. A varying number of RINGS (raised platforms) are inside this ARENA, depending what rack you are in. Each PLAYER has the same number of RINGS as his opponent. There is a line that runs around the inside center of this ARENA with a moveable target on it. As you advance into the higher racks of the game, obstacles appear between you and your opponent. Several other things also happen as you advance even farther into the more difficult racks of the game: the RINGS are at different heights, the target line can be moved up and down, and your PLAYER'S DISCS can be bounced off the ceiling and floor of the ARENA.

   At the beginning of each rack, when a 2 PLAYER game has been selected, the game tells which player is up.

   During each rack of play, the monitor constantly indicates on screen the number of PLAYERS that are playing any particular game, the number of reserve men each PLAYER has remaining to him, the number of shield deflections each PLAYER has left, which PLAYER is currently up, and a running total of the SCORE(s).

NOTE: The number of credits still remaining on the game is **ONLY** displayed in the Ready-To-Play mode.



4. **PLAY BEGINS:** The ARENA appears on the monitor screen. Then the RINGS, moveable target, and the opponents appear on their RINGS. Now you must throw your DISCS at your opponent trying to knock him off his RING(s). If you can knock him off his RING(s) 3 successive times in a row, you will advance to the next rack (which is more difficult).

5. **DEFENSES:** Your opponent has quite a variety of things he can use to try to knock you off your RING(s). What these are is fully explained in the **"INSTRUCTIONS"** mode of the game. What, if any, DEFENSES you have against each one is also explained there.

6. **YOUR PLAYER:** He can move in **ANY DIRECTION** on the screen within the limits of his RING(s). Be careful though, if you try to make your PLAYER go too close to the edge of his RING(s), he can fall off - costing you one player. His movements are controlled by the joy stick on the games control panel.

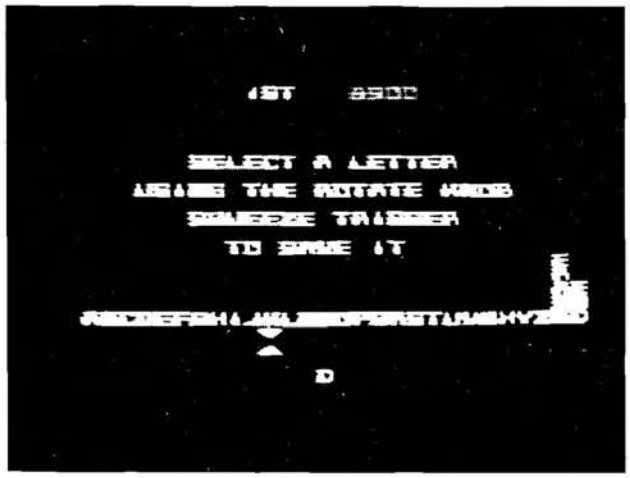
7. **JOY STICK CONTROLLER:** This controls the direction your PLAYER will move in on his RING(s); either left, right, forward, or back. The TRIGGER on this CONTROLLER makes your player throw a DISC each time it is squeezed **(3 DISCS ARE ALL YOUR PLAYER HAS TO THROW** - *after they are thrown,* they **MUST** return to your player **BEFORE** they can **again** be thrown). There is also a SHIELD BUTTON on the top of this CONTROLLER which allows your PLAYER to deflect certain of your opponents weapons.

8. **TARGET CONTROLLER:** By using the TARGET CONTROLLER (knob at left side of Control Panel) you can position the moveable target at any location you desire on the walls of the ARENA.

9. **BONUS PLAYERS:** These can be awarded to the PLAYER as he reaches or passes certain preselected point values. This feature is adjustable by the games Owner/Operator.

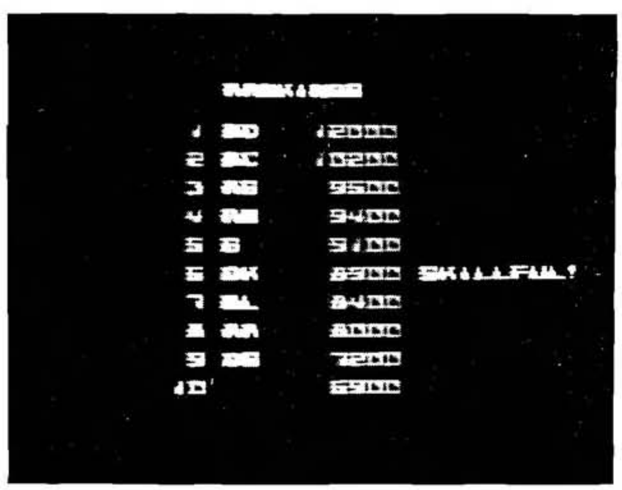
10. **PLAY ENDS:** When your last PLAYER is eliminated, **"PLAYER 1" "GAME OVER"** is written across the *center* of the monitor screen.

11. **HIGH SCORE/INITIAL MODE:** If your score was high enough to become one of the ten best scores, the game will go into the High Score/Initial mode immediately after the above display. If your score is not high enough to cause the game to go into the High Score/Initial mode, it will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory). In the High Score/Initial mode the game gives a display which looks like that shown.



Follow the ON-SCREEN instructions to enter your initials next to your score in the league of the best ten players to date.

When you've printed out your last initial, move the cursor opposite the **"END"** word and activate the same control you did to enter your initials. This tells the game you are through printing out your initials. The game will then give the following RANKINGS display showing your score opposite your ranking and your initials.



NOTE: If you don't tell the game you are through printing out your initials as instructed above, the game will automatically go into the RANKINGS display after a short wait.

After the High Score/Initial mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

12. Most of the above holds true in the "2 PLAYER" mode also. But there are a few minor differences.

TWO PLAYER OPERATION

The Upright and Cocktail Table models all have two player operation (the **ENCLOSED** Upright model **only** has single player operation).

In the two player mode, the rules of play are the same as in the single player mode. There are some additional rules, however.

1. In the Upright models, the players must take turns at the controls.
2. In the Cocktail Table model, each player has his own set of individual controls. The picture will flip to face you when it is your turn. (When it is not your turn, your set of controls will have **NO** effect on the game.)
3. Your turn lasts until your PLAYER is eliminated. At this point, the game will do one of several things depending on whether or not the eliminated PLAYER was your last or if you still have others remaining in reserve.

PLAYER ELIMINATED - OTHERS REMAINING IN RESERVE

☐ The game stops and **"PLAYER "** is displayed on the screen.

☐ Next, the other players pattern and Opponents appear on the monitor screen and game play begins for the other player.

PLAYER ELIMINATED - NO OTHERS REMAINING IN RESERVE

☐ Game displays: **"PLAYER " "GAME OVER"** on the monitor screen.

☐ Next, if your score was high enough, the game will go into the HIGH SCORE/INITIAL mode. After this, it will indicate that the remaining PLAYER is up, that players pattern and Opponents appear on the monitor screen, and game play begins for him.

☐ If your score was not high enough to cause the game to go into the HIGH SCORE/INITIAL mode, it will indicate that the remaining PLAYER is up, that players pattern and Opponents appear on the monitor screen, and game play begins for him.

LAST PLAYER'S LAST PLAYER ELIMINATED -NO OTHERS REMAINING IN RESERVE

☐ Game displays: **"PLAYER " "GAME OVER"** on the monitor screen.

☐ Next, if your score was high enough, the game will go into the HIGH SCORE/INITIAL mode and then either to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

☐ If your score was not high enough to cause the game to go into the HIGH SCORE/INITIAL mode, the game will either go to the Attract mode (if there are no more credits left in its memory) or into the Ready-To-Play mode (if there are still credits left in its memory).

RACK ADVANCE

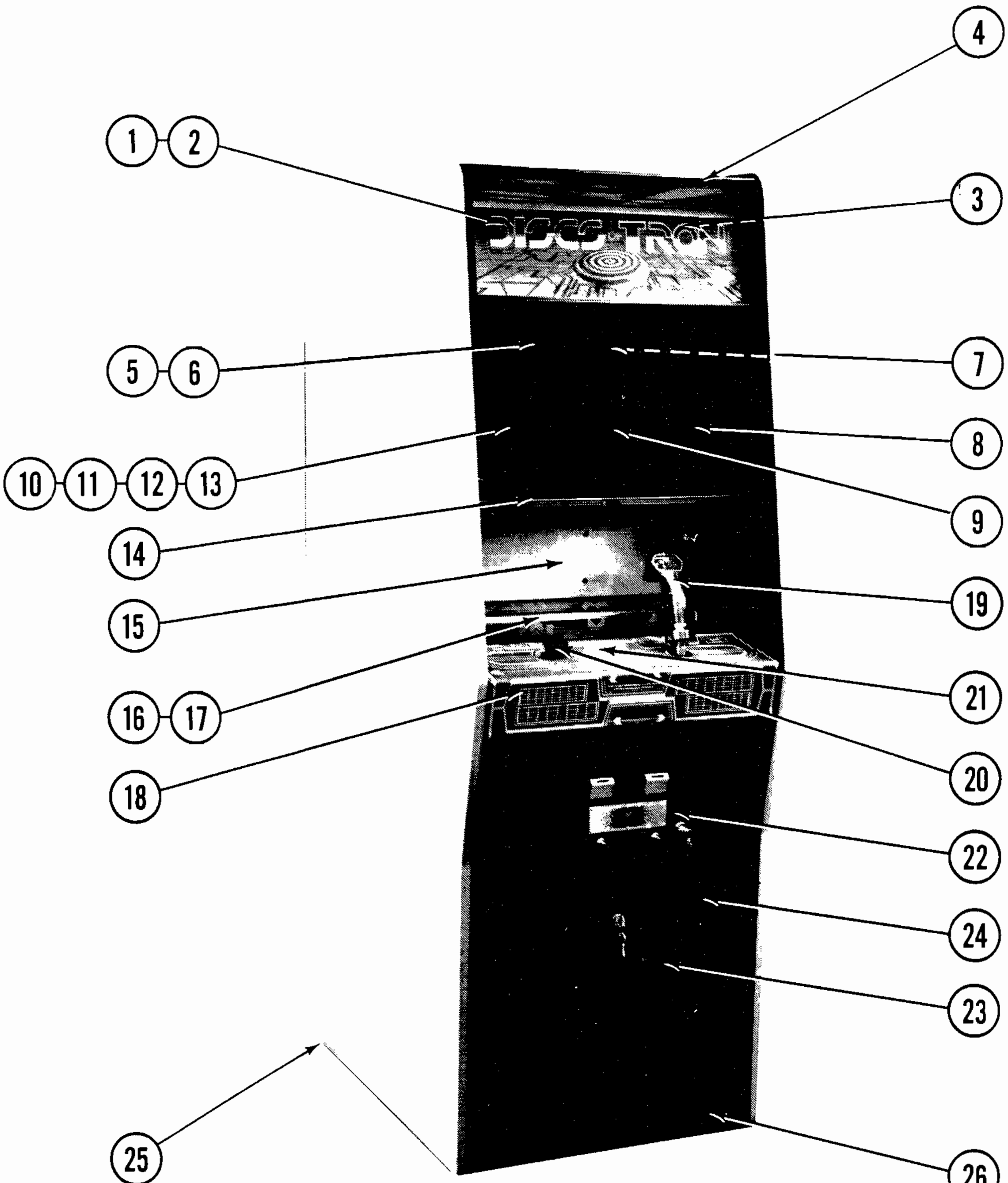
Your NEW game is equipped with a **RACK ADVANCE** feature that can allow you to view and/or play the higher racks for test purposes. It is activated in the following manner:

1. Turn the power to the game "ON".
2. Open the coin door.

   NOTE: COCKTAIL TABLE MODELS ONLY - gently pull out the plunger on the Safety Interlock Switch located just inside the coin door.

3. Using the Test Credit Button, put a credit on the game.
4. Press the "1 PLAYER" start button.
5. **IMMEDIATELY** set the games Self-Test switch to the "ON" position.
6. By pressing **EITHER ONE or BOTH** the "1 PLAYER" and/or "2 PLAYER" start button(s) you can make the game advance to the next rack (repeat for each rack you wish to advance).
7. When finished, set the Self-Test switch back to the "OFF" position, and close and lock the coin door.

II. Illustrated Parts Breakdown


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

NO. 696 - DISCS OF TRON UPRIGHT - FRONT - PARTS LIST

ORDER BY PART NUMBER **ONLY**

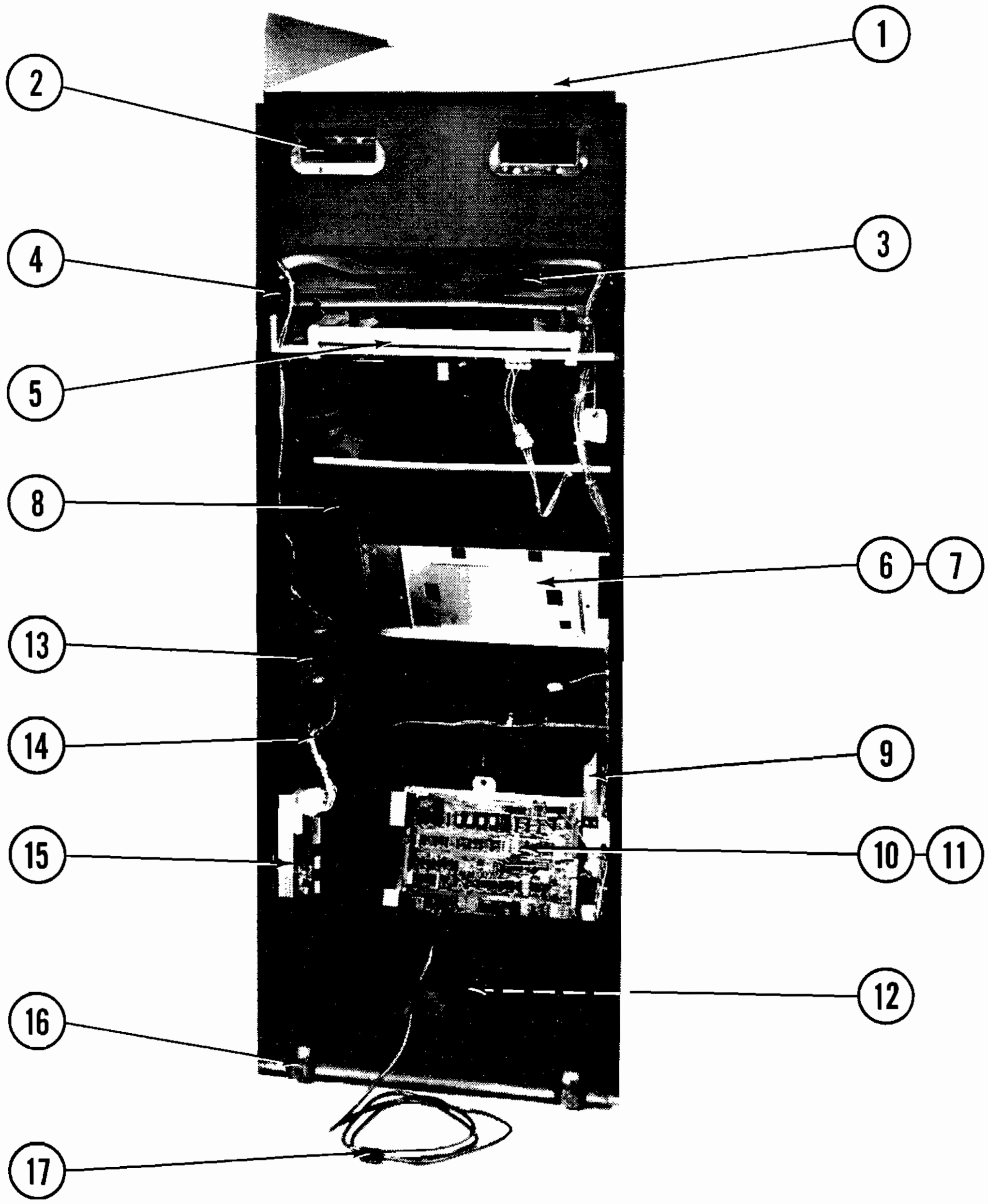
ITEM	PART NUMBER	DESCRIPTION
1	0696-00901-00XF	HEADER GLASS - 23″x8-5/8″x3/16″
2	0383-00908-0000	3-D DECORATIVE HEADER - 22″x8-5/8″
3	A696-00041-0000	HEADER FLUORESCENT LIGHT ASSY.
	0696-00115-0000	FLUOR. BRKT.
	0017-00003-0043	18″ COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUOR. SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12″ LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
4	0574-00903-0100	HEADER RETAINING BRKT. (2 REQ'D)
	0017-00101-0138	#8x5/8 TORX TAMPER RESISTANT SCREW (8 REQ'D)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
5	0017-00009-0393	BLACK SPEAKER GRILLE W/SLOTS (2 REQ'D)
6	0017-00003-0430	6″x9″ SPEAKER - 4 OHM., LOW (2 REQ'D)
	0017-00101-0127	#8-32x1-1/2 CARRIAGE BOLT (8 REQ'D)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (8 REQ'D)
7	0696-00048-0000	ARENA BLACK LIGHT W/O FILTER ASSY. (LOCATED BEHIND SPEAKERS
	0696-00118-0000	FLUOR. BRKT.
	0017-00003-0095	18″ BLACK LIGHT LAMP
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12″ LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER
8	0696-00915-0100	SIDE SCENERY - RIGHT
	0696-00915-0200	SIDE SCENERY - LEFT (OPPOSITE SIDE)
9	0696-00917-00XF	MAIN VIEWING GLASS - 23″x16-1/4″x3/16″
	0696-00121-00XF	GLASS HOLDING BRKT.
10	0383-00913-0000	MIRROPANE - 23-1/32″x19-11/16″x1/4″
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D)
11	0383-00901-00XF	SCENERY - RED (NOT SEEN) - 23-1/16″x17-1/2″x1/8″
	0696-00111-0000	RED SCENERY HOLD DOWN BRKT.
	0696-00109-0000	SCENERY HOLD DOWN BRKT.
12	0383-00902-00XF	SCENERY - BLUE (NOT SEEN) 23-1/16″x17″x1/8″
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D)
13	0383-00904-0000	SCENERY - REAR
	0383-00924-0000	SCENERY SUPPORT CHANNEL (2 REQ'D)
	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D)
14	0696-00909-0000	MONITOR BEZEL
15	0696-00120-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX PAN HD SCREW (6 REQ'D)
16	0696-00914-00XF	LAMP PROTECTOR
	0383-00102-0000	LAMP SHIELD BRKT.

NO. 696 - DISCS OF TRON UPRIGHT - FRONT - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NUMBER	DESCRIPTION
17	A696-00047-0000	CONTROL LIGHT ASSY.
	0696-00117-0000	FLUORESCENT BRKT.
	0017-00003-0095	18″ BLACK LIGHT LAMP
	0383-00110-0000	REFLECTOR
	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET W/12″ LEAD
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
18	A696-00024-0000	CONTROL SHELF WELDMENT ASSY.
	0696-00906-0000	DECORATIVE OVERLAY
	A696-00036-0000	CONTROL CABLE W/TERMINAL STRIP ASSY.
	0696-00106-0100	CONTROL SHELF MTG BRKT. - RIGHT
	0696-00106-0200	CONTROL SHELF MTG BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
	0017-00009-0534	BASSICK CLAMP (3 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD SCR (12 REQ'D)
	0316-00903-0000	CONTROL SHELF STRAP
	0383-00101-0000	CONTROL SHELF BACKUP BRKT.
19	A696-00007-0000	GRIP W/SWITCH ASSY.
	A696-00022-0000	CONTROL ASSY.
20	A696-00029-0000	KNOB & SHAFT ASSY.
	A696-00028-0000	OPTICAL ENCODER DISC ASSY.
21	0017-00042-0260	PUSH BUTTON ASSY.
	0017-00032-0093	PUSH BUTTON SWITCH W/HOLDER
	0017-00103-0054	5/8-11 PAL NUT
	0017-00104-0026	FLAT WASHER
	0017-00100-0025	1/4″ E-RING
22	A982-00014-0004	U.S.A. COIN DOOR ASSY. W/CABLE ASSY.
	A982-00015-0000	COIN DOOR CABLE ASSY.
23	A090-00605-0000	CASH BOX DOOR & LOCK ASSY.
	A090-00606-0000	CASH BOX & PULL ASSY.
	0090-00189-0000	CASH BOX ENCLOSURE
24	A090-00603-00XF	COIN DOOR FRAME ASSY.
	0017-00101-0121	#6-32x5/16 PHIL TRS HD SCR (8 REQ'D)
25	0017-00102-0048	3/8-16x2″ LEG LEVELERS (4 REQ'D)
25	0017-00102-0048	3/8-16x2″ LEG LEVELERS (4 REQ'D)
	0017-00103-0026	3/8-16 LEVELER HEX NUTS (4 REQ'D)
26	0935-00906-0500	KICK PLATE - 23-1/8″ LG

NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS



NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER **ONLY**

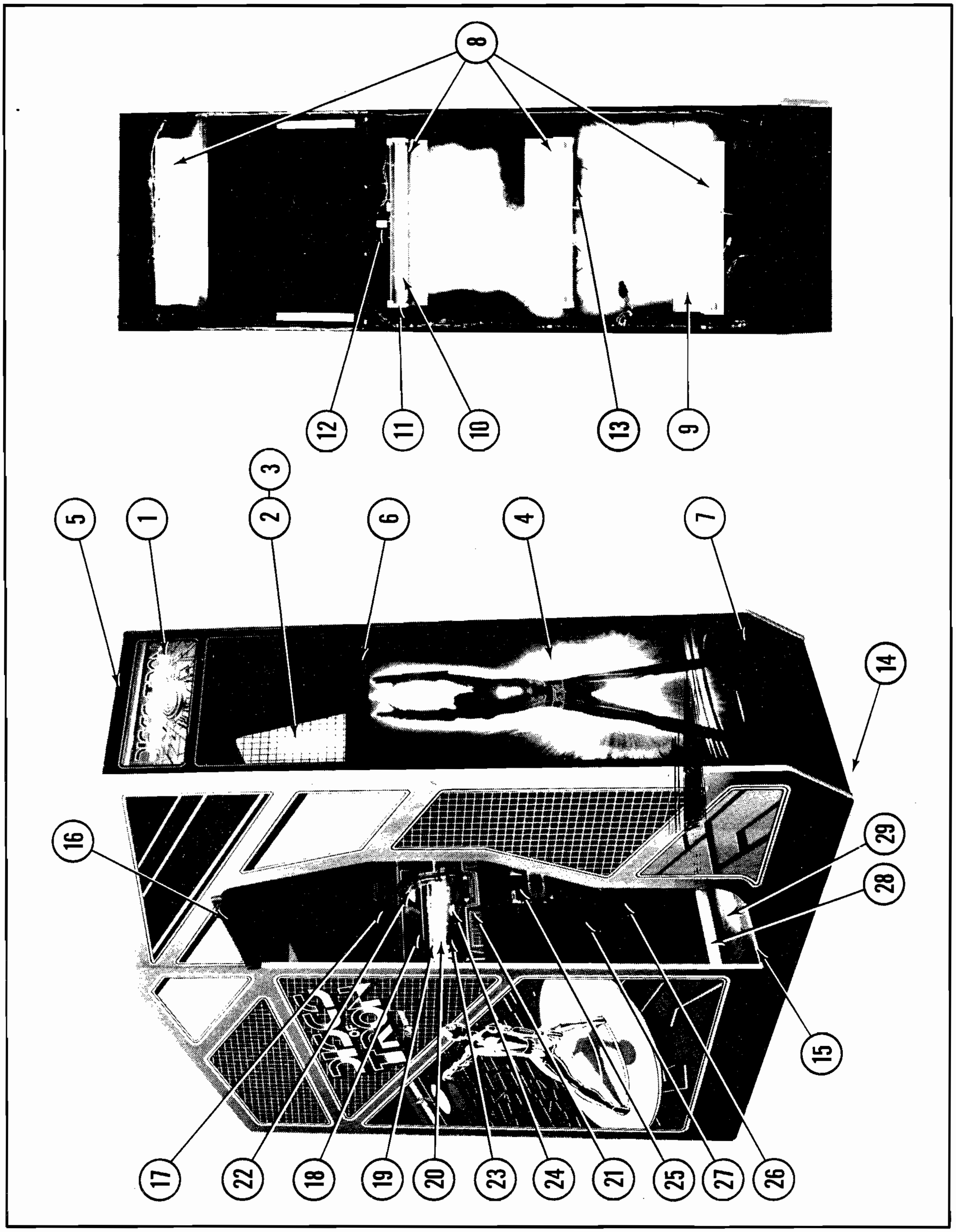
ITEM	PART NUMBER	DESCRIPTION
1	A945-00038-0000	ON-OFF SWITCH PLATE ASSY.
2	0894-00916-0000	PLASTIC PULL & ENT (2 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD M.S. (8 REQ'D)
3	0383-00904-0000	REAR SCENERY
4	0383-00115-00XF	SCENERY TRAP BRKT.
5	A696-00049-0000	REAR SCENERY FLUOR. LIGHT ASSY.
	0696-00119-0000	REAR FLUORESCENT BRKT.
	0017-00003-0043	18″ COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUORESCENT SOCKET (2 REQ'D)
	0017-00003-0445	LAMP SOCKET LOCKS (2 REQ'D)
	0017-00003-0019	STARTER
	0017-00003-0412	STARTER SOCKET
	0017-00003-0026	BALLAST
	A961-00042-0000	LINE FILTER ASSY.
6	0017-00003-0339	ELECTROHOME 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0439	WELLS-GARDNER 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0454	ZENITH 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR
	0636-00101-0000	MONITOR RAIL (2 REQ'D)
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D)
7	0696-00913-0000	MONITOR SHIELD
8	0696-00910-0000	REAR MASK
9	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
10	A696-00008-0000	CARDRACK ASSY. W/BOARDS
	A084-90913-A696	SOUND I/O P.C. BRD. ASSY.
	A639-00060-0000	SHIELD & BARRIER ASSY.
	0017-00101-0134	#6-32x1/4 SLT. HEX HD. M.S. (4 REQ'D)
	A084-91490-A696	PROGR. CPU P.C. BRD. ASSY.
	A358-00016-0000	SHIELD & SPACER ASSY. - INNER
	A084-91464-A696	VIDEO GENERATOR P.C. BRD. ASSY.
	A358-00017-0000	SHIELD & SPACER ASSY. - OUTER
	0017-00101-0153	#6-32x1″ SLT. HEX HD. M.S. (8 REQ'D)
11	A383-00020-0000	SUPPORT BRKT. ASSY. - TOP OF CARDRACK
12	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
13	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY.
14	A084-91631-B000	AUXILIARY POWER SUPPLY BOARD
15	A084-90412-D000	POWER SUPPLY P.C. BRD. ASSY. - 125VA
	0624-00902-0100	P.C. SUPPORT BRKT. - 12″ LG (2 REQ'D)
	0624-00902-0300	P.C. SUPPORT BRKT. - 2-1/2″ LG (2 REQ'D)
	0624-00902-0500	P.C. SUPPORT BRKT. - 6-1/2″ LG (4 REQ'D)
	0017-00104-0037	#8 FLAT WASHER (14 REQ'D)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD SCREW (14 REQ'D)
16	A961-00007-0000	CASTER ASSY. (2 REQ'D)
17	A945-00019-0000	LINE CORD ASSY. - 115V

NO. 696 - DISCS OF TRON UPRIGHT - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NUMBER	DESCRIPTION
		ADDITIONAL PARTS LIST
	A097-00009-0000	BACK DOOR LOCK ASSY.
	0017-00009-0490	5-5/8″ SQR VENT GRILLE (BACK DOOR)
	A696-00012-0000	MASTER CABLE W/BRKT. ASSY.
	A696-00014-0000	HIGH VOLTAGE CABLE ASSY.
	A941-00008-0000	LOW VOLTAGE CABLE ASSY.
	A337-00018-0000	VIDEO CABLE ASSY.
	A696-00034-0000	AUDIO ADAPTER CABLE ASSY.
	A696-00010-0000	CONTROL SHELF CABLE ASSY.

NO. 383 - DISCS OF TRON ENVIRONMENTAL - FRONT



NO. 383 - DISCS OF TRON ENVIRONMENTAL - FRONT - PARTS LIST

ORDER BY PART NUMBER **ONLY**

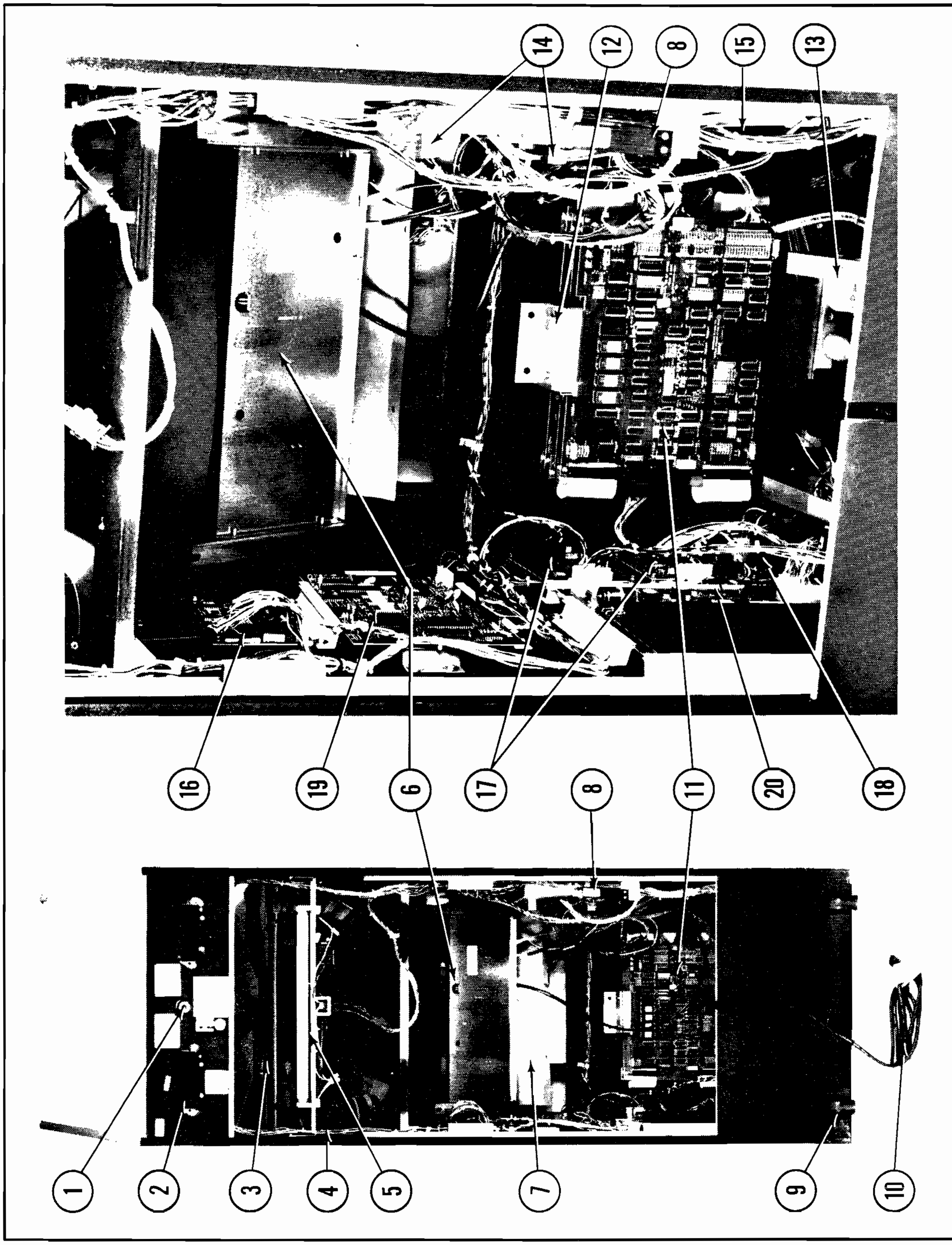
ITEM	PART NO.	DESCRIPTION
1	0383-00908-0000	3-D DECORATIVE HEADER 22″x8-5/8″
2	0383-00907-00XF	FRONT GLASS -23″X25-17/32″x3/16″
3	R901-30000-0025	PLAIN TEMPERED GLASS - 23″x16-19/32″x1/8″
4	0383-00906-00XF	BILLBOARD GLASS - 23″x39-23/32″x3/16″
5	0383-00109-00XF	HEADER BRACKET
6	0383-00107-00XF	BILLBOARD BRACKET
7	0383-00112-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX TAMPER RESISTANT SCREW (11 REQ'D.)
	0017-00009-0522	LONG ARM KEY T-20 (FOR ABOVE SCREW)
8	A383-00018-0000	HEADER LIGHT W/O LINE FILTER (4 REQ'D.)
	A383-00022-0000	FLUOR. W/O FILTER CABLE ASSY.
9	0595-00105-0000	FLUORSCENT BRKT.
10	0017-00003-0043	18″ COOL WHITE FLUOR. LAMP
11	0017-00031-0036	FLUORSCENT SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCK (2 REQ'D.)
12	0017-00003-0019	STARTER
	0017-00003-0412	STARTER HOLDER
13	0017-00003-0026	BALLAST
14	0017-00102-0048	3/8-16x2″ LEG LEVELERS (6 REQ'D.)
	0017-00103-0026	3/8-16 LEVELER HEX NUTS (6 REQ'D.)
15	0383-00116-0000	T-MOLDING GUARD (2 REQ'D.)
	0017-00101-0192	#8-32x1/2 PHIL. PAN HD. SCREW (6 REQ'D.)
16	0383-00923-0000	BUMPER (2 REQ'D.)
	0017-00101-0088	#8x3/4 BLACK PHIL. FLAT HD. SCREW (12 REQ'D.)
17	0383-00915-00XF	MAIN VIEWING GLASS
18	0383-00112-00XF	GLASS RETAINER
19	0383-00912-00XF	LAMP PROTECTOR
20	A696-00038-0000	CONTROL FLUOR. BLACKLIGHT W/O LINE FILTER
21	A383-00010-0000	CONTROL SHELF WELDMENT ASSY.
	0383-00900-0000	DECORATIVE OVERLAY
	A383-00005-0000	CONTROL SHELF CABLE ASSY.
	0595-00106-0100	CONTROL SHELF MTG. BRKT. - RIGHT
	0595-00106-0200	CONTROL SHELF MTG. BRKT. - LEFT
	0555-00901-0000	PLASTIC LOCATING PIN (4 REQ'D.)
	0017-00009-0534	BASSICK CLAMP (3 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCR. (12 REQ'D.)
	0383-00104-0000	CONTROL SHELF STRAP
	0383-00101-0000	CONTROL SHELF BACKUP BRKT.
22	A696-00007-0000	GRIP W/SWITCH ASSY.
	A696-00022-0000	CONTROL ASSY.
23	A696-00029-0000	KNOB & SHAFT ASSY.
	A696-00028-0000	OPTICAL ENCODER DISC ASSY.
24	0017-00042-0260	PUSHBUTTON ASSEMBLY
	0017-00032-0093	PUSHBUTTON SWITCH W/HOLDER
	0017-00103-0054	5/8-11 PAL NUT
	0017-00104-0026	FLAT WASHER
	0017-00100-0025	1/4″ E-RING

NO. 383 -DISCS OF TRON ENVIRONMENTAL -FRONT -PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
25	A982-00014-0004	U.S.A. 50¢ COIN DOOR ASSY. W/CABLE ASSY.
	A982-00015-0000	COIN DOOR CABLE ASSY.
26	A090-00605-0000	CASH BOX DOOR & LOCK ASSY.
	A090-00606-0000	CASH BOX & PULL ASSY.
	0090-00189-0000	CASH BOX ENCOSURE
27	A090-00603-00XF	COIN DOOR FRAME ASSY.
	0017-00101-0121	#6-32x5/16 PHIL TRS. HD. SCR. (7 REQ'D.) (MOUNTS COIN DOOR TO FRAME)
28	A383-00019-0000	FLASHING FLUOR. FOOT LIGHT W/O FILTER ASSY. (2 REQ'D.)
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
	0383-00117-0000	FLUORSCENT BRKT.
	0017-00003-0046	18" BLACK LIGHT
	0017-00031-0036	FLUOR. SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCK (2 REQ'D.)
	0017-00003-0026	BALLAST
	MT00-00125-A000	POWER TRANSFORMER - 60HZ.
29	0383-00911-0000	LIGHT COVER/FRONT
	0017-00101-0138	#8x5/8 TORX TMPER RESISTANT PAN HD. SCR. (3 REQ'D.)

NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS



NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER **ONLY**

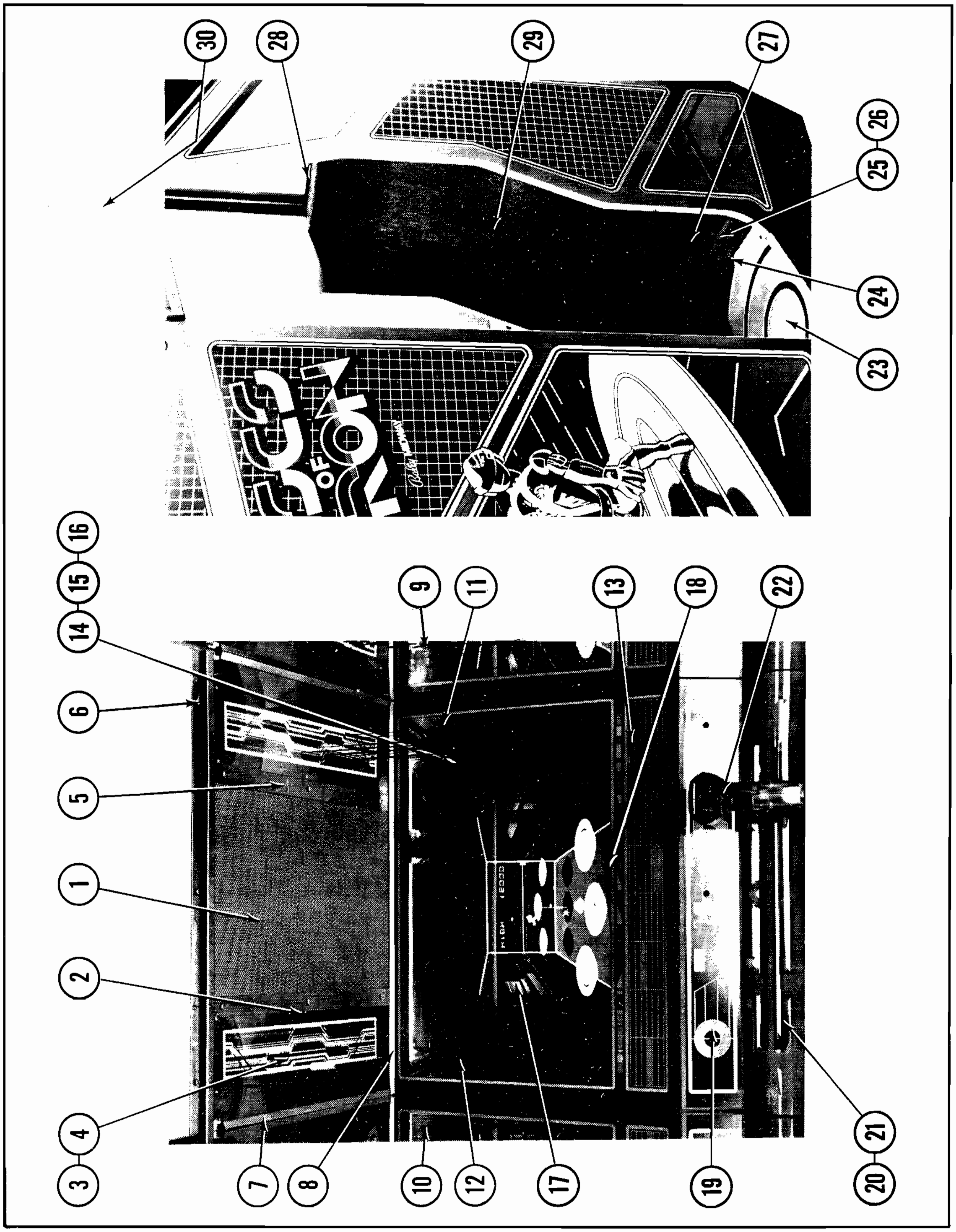
ITEM	PART NO.	DESCRIPTION
1	A945-00038-0000	ON-OFF SWITCH & PLATE ASSY.
2	0894-00916-0000	PLASTIC PULL & VENT (2 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. M.S. (8 REQ'D.)
3	0383-00904-0000	REAR SCENERY
4	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D.)
	0696-00114-0000	REAR SCENERY BRKT.
5	A696-00040-0000	FLASHING WHITE LIGHT W/O FILTER ASSY.
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
	MT00-00125-A000	POWER TRNSFORMER - 60 HZ
	0017-00003-0026	BALLAST
	0017-00003-0043	18″ COOL WHITE FLUOR. LAMP
	0017-00031-0036	FLUORSCENT SOCKETS (2 REQ'D.)
	0017-00003-0445	FLUOR. LAMP LOCK (2 REQ'D.)
6	0017-00003-0339	ELECTROHOME - 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0439	WELLS-GARDNER - 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR (OR)
6	0017-00003-0454	ZENITH - 19″ COLOR DUAL SYNC HORIZ. MTG. MONITOR
	0636-00101-0000	MONITOR RAIL (2 REQ'D.)
7	0696-00911-0000	MONITOR SHIELD
8	A088-00016-0000	INTERLOCK SWITCH & SPRING BRKT. ASSY.
	0303-00904-0000	INTERLOCK SWITCH COVER
9	A961-00007-0000	CASTER ASSY. (2 REQ'D.)
10	A945-00019-0000	LINE CORD ASSY. - 115V
11	A383-00015-0000	CARDRACK W/BOARDS ASSY.
	A084-91657-A383	SOUND I/O P.C. BRD. ASSY.
	A639-00060-0000	SHIELD & BARRIER ASSY.
	0017-00101-0134	#6-32x1/4 SLT. HEX HD. M.S. (4 REQ'D.)
	A084-91490-A383	PROGR. CPU P.C. BRD. ASSY.
	A358-00016-0000	SHIELD & SPACER ASSY. - INNER
	A084-91464-A696	VIDEO GENERATOR P.C. BRD. ASSY.
	A358-00017-0000	SHIELD & SPACER ASSY. - OUTER
	0017-00101-0153	#6-32x1″ SLT. HEX HD. M.S. (8 REQ'D.)
12	A383-00020-0000	SUPPORT BRKT. ASSY. - TOP OF CARDRACK
13	A945-00020-0000	POWER CHASSIS ASSY. - 125VA., 115V
14	A084-91661-B000	RELAY CONTROL BRD. ASSY. (2 REQ'D.)
	0383-00919-0000	RELAY CONTROL BRD. COVER (2 REQ'D)
	0383-00920-0000	RELAY CONTROL BRD. SHIELD (2 REQ'D.)
15	A084-91659-C383	FLUOR. CONTROL P.C. BRD. ASSY.
16	A084-91658-C696	LAMP SEQUENCER P.C. BRD. ASSY.
17	A084-91648-A000	DUAL POWER AMP W/MIXER ASSY. (2 REQ'D.)
18	A084-91631-B000	AUXILIARY POWER SUPPLY BOARD
19	A084-91660-C000	SQUAWK & TALK P.C. BRD. ASSY.
20	A084-90412-D000	POWER SUPPLY P.C. BRD. ASSY. - 125V
	0624-00902-0100	P.C. SUPPORT BRKT. -12″ LG. (2 REQ'D.)
	0624-00902-0300	P.C. SUPPORT BRKT. -21/2″ LG. (2 REQ'D.)
	0624-00902-0500	P.C. SUPPORT BRKT. -61/2″ LG. (4 REQ'D.)
	0017-00104-0037	#8 FLAT WASHER (14 REQ'D.)
	0017-00101-0141	#8x11/16 UNSLOT HEX HD. SCREW (42 REQ'D.)

NO. 383 - DISCS OF TRON ENVIRONMENTAL - REAR ACCESS - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ADDITIONAL PARTS LIST

ITEM	PART NO.	DESCRIPTION
	A383-00007-0000	MASTER CABLE W/BRKT. ASSY.
	A383-00009-0000	HIGH VOLTAGE CABLE ASSY.
	A941-00008-0000	LOW VOLTAGE CABLE ASSY.
	0017-00009-0490	REAR DOOR VENT GRILLE -5-5/8″ SQR. (4 REQ'D.)
	A097-00009-0000	REAR DOOR LOCK ASSY.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30

NO. 383 - DISCS OF TRON ENVIRONMENTAL - CONTROL AREA - PARTS LIST

ORDER BY PART NUMBER **ONLY**

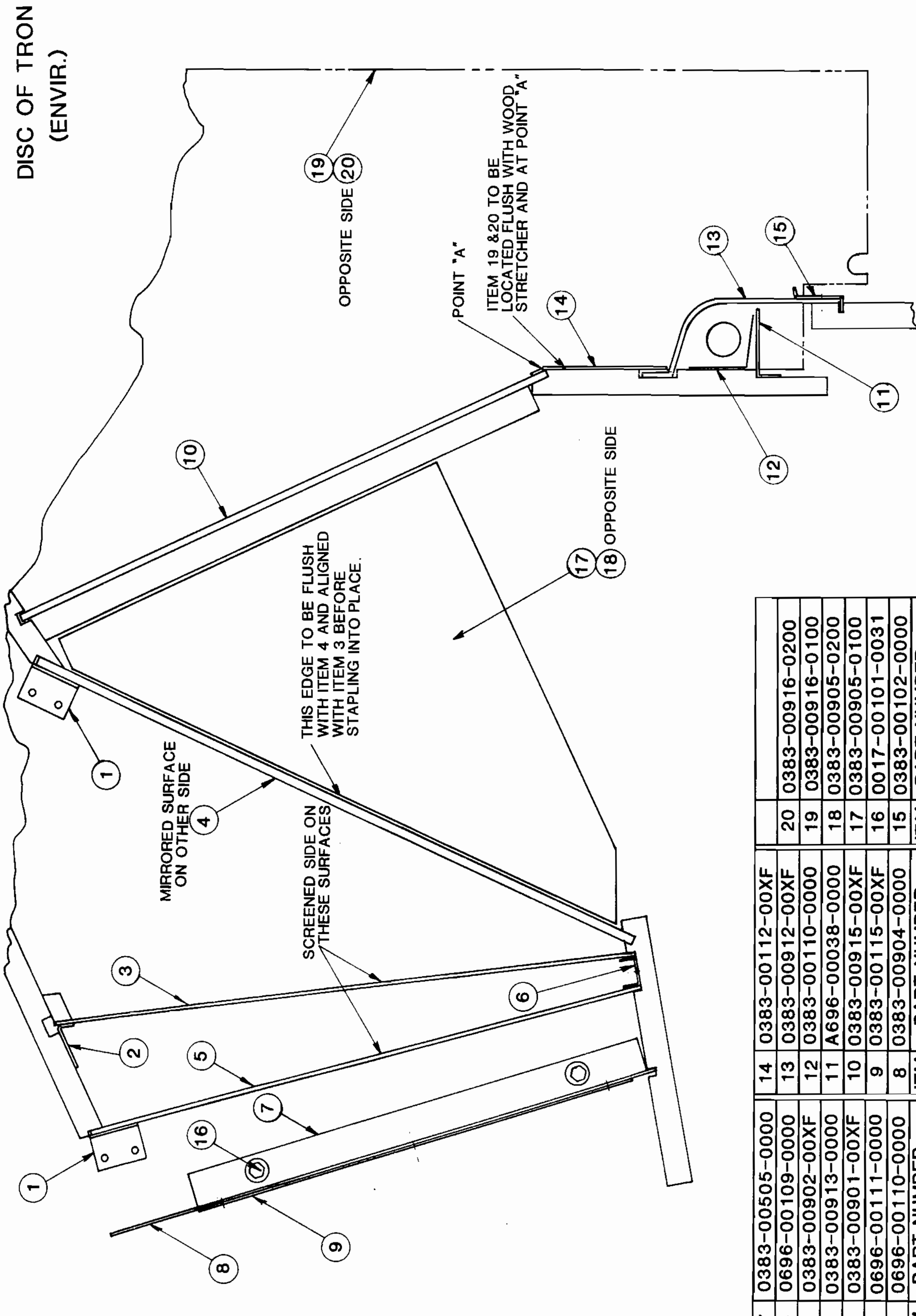
ITEM	PART NO.	DESCRIPTION
1	A383-00023-00XF	SPEAKER BEZEL W/BOLT ASSY.
	0017-00003-0430	6"x9" SPEAKER - 4 OHM, 10W (2 REQ'D.)
2	A696-00039-0000	ARENA BLACK LIGHT W/O FILTER ASSY.
	A696-00043-0000	FLASHING LIGHT CABLE ASSY.
3	0383-00903-00XF	LIGHT INSERT COVER (2 REQ'D.)
	0383-00103-0000	INSERT BRKT. (4 REQ'D.)
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (16 REQ'D.)
4	0017-00003-0219	#194 WEDGE BASE LAMP - 14V., .27A (10 REQ'D.)
	0017-00031-0030	WEDGE BASE LIGHT SOCKET (10 REQ'D.)
	A383-00014-0000	LIGHT INSERT CABLE ASSY.
5	0383-00119-00XF	COVER STRIP (2 REQ'D.)
6	0383-00118-00XF	END CHANNEL
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (9 REQ'D.)
7	0383-00921-0200	CHANNEL - 14-11/16" LG. (2 REQ'D.)
8	0383-00921-0100	CHANNEL - 22-15/16" LG.
9	0383-00916-0100	MIRROR - RIGHT SIDE
10	0383-00916-0200	MIRROR - LEFT SIDE
11	0383-00905-0100	SIDE SCENERY - RIGHT
12	0383-00905-0200	SIDE SCENERY - LEFT
13	0383-00915-00XF	MAIN VIEWING GLASS
14	0383-00913-0000	MIRROPANE
	0696-00110-0000	MIRROR HOLD DOWN BRKT. (2 REQ'D.)
15	0383-00901-00XF	SCENERY - RED (NOT SEEN)
	0696-00111-0000	RED SCENERY HOLD DOWN BRKT.
	0696-00109-0000	SCENERY HOLD DOWN BRKT.
16	0383-00902-00XF	SCENERY - BLUE (NOT SEEN)
	0696-00110-0000	HOLD DOWN BRKT. (2 REQ'D.)
17	0383-00904-0000	SCENERY - REAR
	0383-00924-0000	SCENERY SUPPORT CHANNEL (2 REQ'D.)
	0383-00115-00XF	SCENERY TRAP BRKT. (2 REQ'D.)
18	0696-00909-0000	MONITOR BEZEL
19	0383-00112-00XF	GLASS RETAINER
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (3 REQ'D.)
20	0383-00912-00XF	LAMP PROTECTOR
	0383-00102-0000	LAMP SHIELD BRKT.
21	A696-00038-0000	CONTROL SHELF FLUOR. BLK. LIGHT W/O FILTER ASSY.
	A696-00042-0000	CONTROL LIGHT CABLE ASSY.
	0383-00111-0000	FLUOR BRKT.
	0017-00003-0095	18" BLACK LIGHT LAMP
	0383-00110-0000	REFLECTOR
	0017-00031-0036	FLUOR. LAMP SOCKET (2 REQ'D.)
	0017-00003-0445	LAMP LOCKS (2 REQ'D.)
22	A696-00007-0000	GRIP W/SWITCH ASSY.
23	0383-00909-0000	DECORATIVE FLOOR OVERLAY
	0383-00106-0000	FLOOR
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (10 REQ'D.)

NO. 383 - DISCS OF TRON ENVIRONMENTAL - CONTROL AREA - PARTS LIST

ORDER BY PART NUMBER **ONLY**

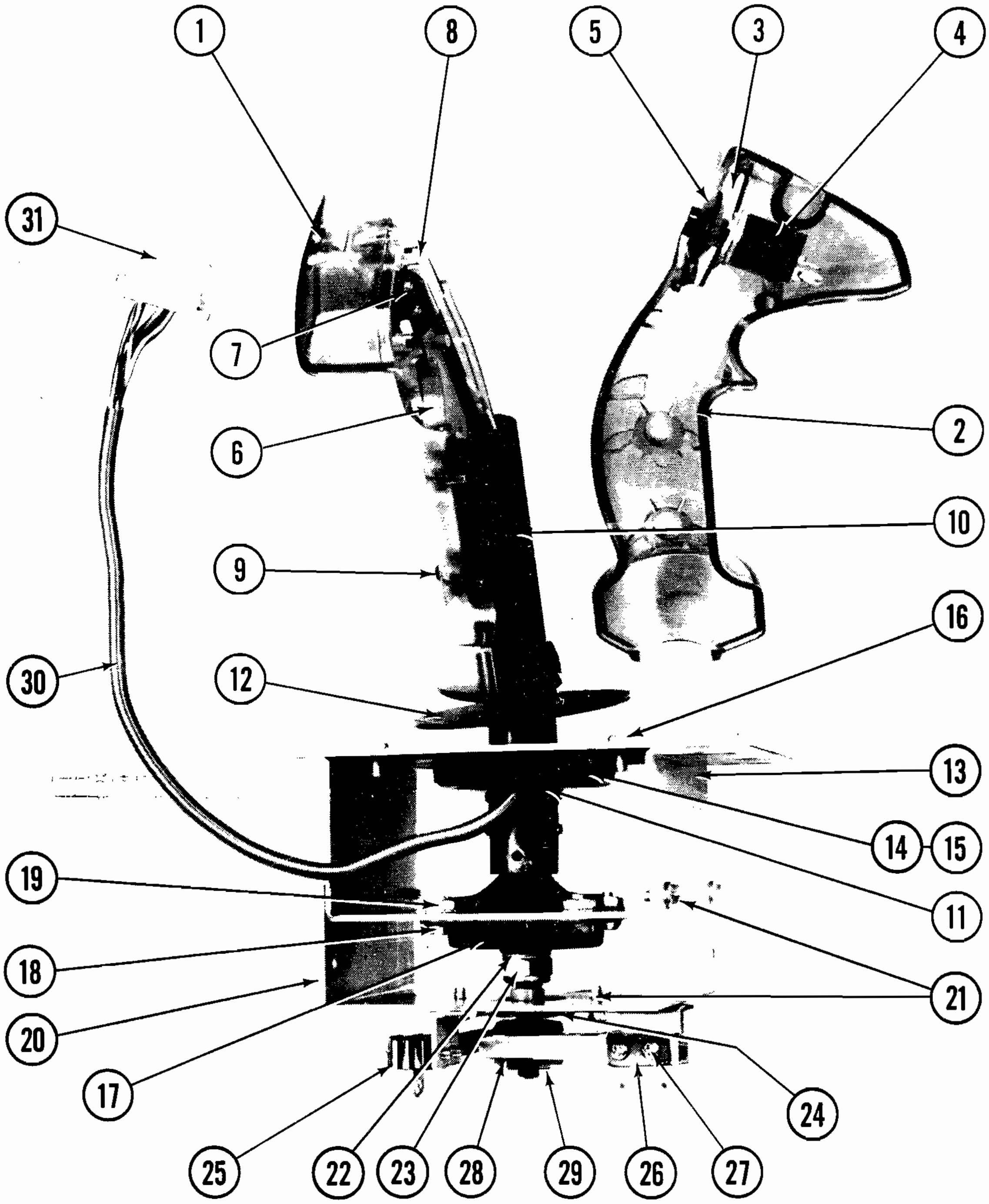
ITEM	PART NO.	DESCRIPTION
24	0383-00105-00XF	BASE BRKT. (UNDER OVERLAY, NOT SEEN)
25	0383-00910-00XF	LIGHT COVER - REAR
26	A383-00019-0000	FLASHING FOOT LIGHT W/O FILTER ASSY.
27	0383-00113-00XF	CARPET BRACKET - BOTTOM
28	0383-00114-00XF	SLOTTED CARPET BRKT. - TOP
	0017-00101-0138	#8x5/8 TORX PAN HD. SCREW (9 REQ'D.)
29	0383-00918-0000	CARPET - CABINET LINER
	0017-00081-0172	2″ WIDE DOUBLE FACE CARPET TAPE
30	0017-00003-0430	6″x9″ SPEAKER - 4 OHM, 10W (2 REQ'D.) (LOCATED ABOVE CABINET LINER, NOT SEEN)
	0383-00120-00XF	SPEAKER GRILLE - REAR

VISUAL EFFECTS PIECE PART ASSEMBLY



ITM	PART NUMBER	ITM	PART NUMBER	ITM	PART NUMBER
1	0696-00110-0000	8	0383-00904-0000	15	0383-00102-0000
2	0696-00111-0000	9	0383-00115-00XF	16	0017-00101-0031
3	0383-00901-00XF	10	0383-00915-00XF	17	0383-00905-0100
4	0383-00913-0000	11	A696-00038-0000	18	0383-00905-0200
5	0383-00902-00XF	12	0383-00110-0000	19	0383-00916-0100
6	0696-00109-0000	13	0383-00912-00XF	20	0383-00916-0200
7	0383-00505-0000	14	0383-00112-00XF		

NO. 696 & 383 - DISCS OF TRON - CONTROL GRIP ASSEMBLY

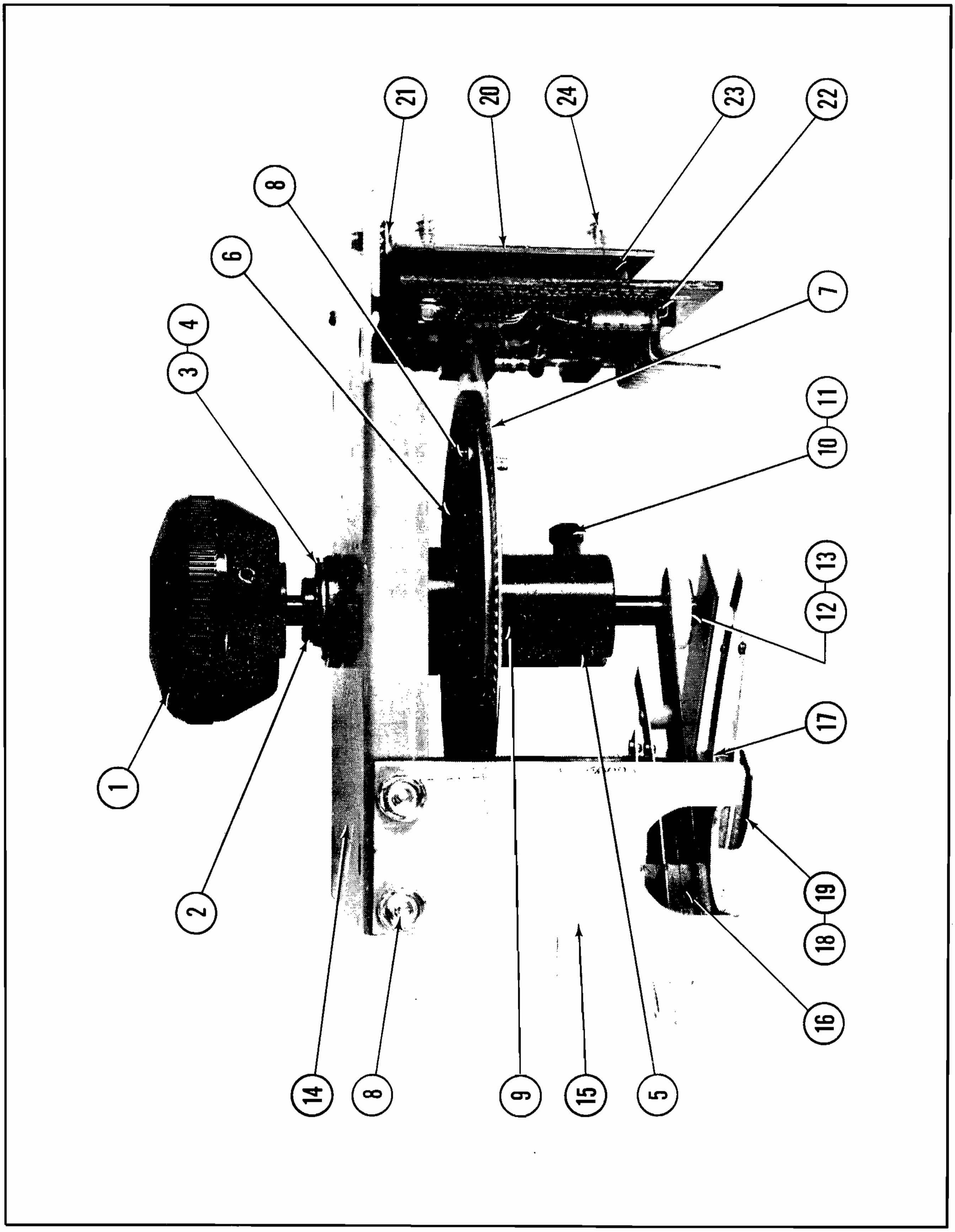


NO. 696 & 383 - DISCS OF TRON - CONTROL GRIP ASSEMBLY - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	0873-00900-0400	CONTROL GRIP - LEFT
2	0873-00900-0300	CONTROL GRIP - RIGHT
3	0696-00100-0000	GRIP SWITCH PANEL
4	0696-00900-0000	NOTCHED SWITCH
	0017-00104-0112	7/8" INT. WASHER
	0017-00104-0045	3/4" FLAT WASHER
	0017-00103-0089	5/8-24 HEX NUT
5	0929-00905-00XF	SWITCH BEZEL
	A696-00006-0000	GRIP SWITCH PANEL ASSY. (ITEMS 3 THRU 5)
6	0628-00906-0000	TRIGGER
7	0696-00102-00XF	TRIGGER SWITCH BRKT.
	0017-00101-0083	#4-20x3/8 PHIL PAN HD. SCR. (2 REQ'D.)
8	A696-00004-0000	GRIP TRIGGER SWITCH ASSY.
	0020-00202-0000	SWITCH PLATE
	0017-00101-0525	#5-40x9/16 PHIL. RND. HD. M.S. (2 REQ'D.)
9	0017-00101-0149	#10-32x3/8 TORX TAMPER RESISTANT BUTTON HD. SCREW (5 REQ'D.)
10	A696-00019-0000	TUBING TO PIVOT PIN ASSY.
11	0696-00907-0000	SLEEVE
12	0628-00904-0000	SLIDE
13	A639-00020-0000	CENTERING BRKT. WELD ASSY.
14	0873-00113-00XF	BUMPER MTG. BRKT.
15	0873-00910-0000	BUMPER
16	0017-00101-0615	#8-32x3/8 SLT. PAN HD. M.S. (4 REQ'D.)
17	0628-00905-0000	GROMMET
18	0017-00101-0799	#10-32x3/8 SLT. HEX HD. M.S. (4 REQ'D.)
19	0017-00103-0081	#10-32x5/16 HEX NUT W/SEMS (4 REQ'D.)
20	A696-00025-0000	STOP PLATE & SWITCH BRKT. ASSY.
21	0017-00101-0598	#8-32x5/16 SLT. HEX HD. M.S. (6 REQ'D.)
22	0017-00104-0034	5/8" FLAT WASHER
23	0017-00103-0102	7/16-14 LOCK NUT
24	0639-00906-0000	WEAR PLATE
25	A355-00003-0000	MOLDED SWITCH ASSY. (4 REQ'D.)
26	0020-00202-0000	SWITCH PLATE (4 REQ'D.)
27	0017-00101-0527	#5-40x5/8 PHIL. RND. HD. M.S. (8 REQ'D.)
28	0921-00700-0000	ACTUATOR
29	0017-00100-0025	1/4" E-RING
30	0010-00266-0100	STRAIN RELIEF EXT. SPRING
31	0017-00021-0311	6 PIN CONNECTOR
	0017-00103-0011	#10-32 LOCK NUT (4 REQ'D.) MOUNTS ASSEMBLY TO CONTROL SHELF

NO. 696 & 383 - DISCS OF TRON - OPTICAL ENCODER KNOB ASSEMBLY

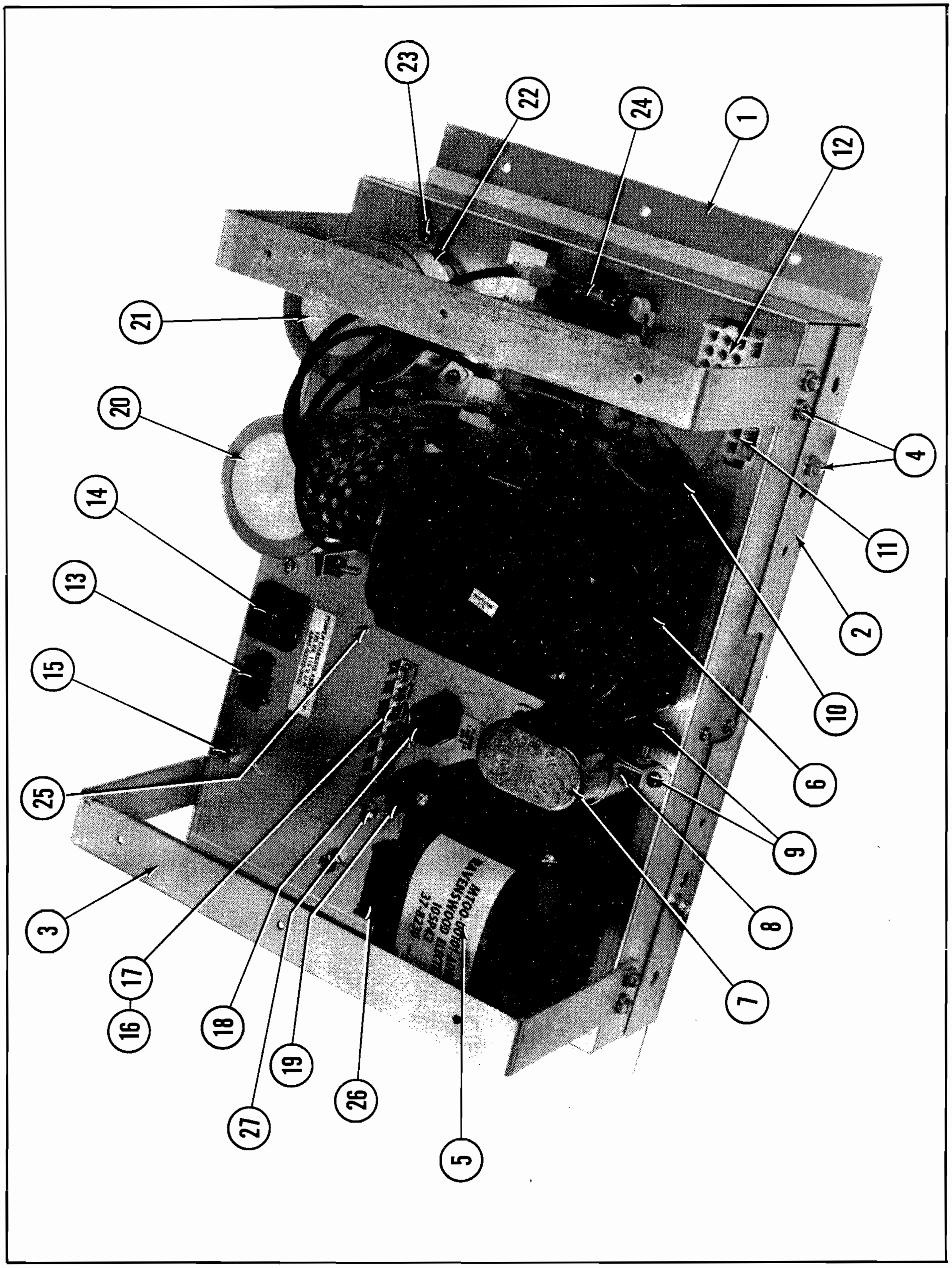


NO. 696 & 383 - DISCS OF TRON - OPTICAL ENCODER KNOB ASSEMBLY - PARTS LIST

ORDER BY PART NUMBER **ONLY**

ITEM	PART NO.	DESCRIPTION
1	A696-00029-0000	KNOB & SHAFT ASSEMBLY
2	0696-00703-00XF	MAIN SHAFT
3	0017-00100-0050	1/2″ E-RING (2 REQ'D)
4	0017-00104-0045	3/4″ FLAT WASHER
5	A696-00031-0000	HUB & BOTTOM PLATE ASSY.
6	0696-00103-0000	TOP PLATE
7	0628-00900-0000	SENSOR DISC
8	0017-00101-0124	#6x1/4 UNSLOT HEX HD. M.S. (7 REQ'D.)
9	0017-00101-0791	#8-32x1/4 HEX HD. SET SCREW (2 REQ'D.)
10	0639-00705-00XF	STOP STUD
11	0639-00911-0000	ROLLER SLEEVE
12	0696-00702-0000	SWITCH ACTUATOR
13	0017-00100-0025	1/4″ E-RING
14	A696-00016-0000	BEARING TO BUSHING/BRKT. ASSY.
15	0696-00105-0000	SWITCH MOUNTING BRKT.
16	A696-00018-0000	LEAF SWITCH ASSY.
17	A696-00030-0000	LOWER SWITCH LEAF ASSY.
18	0020-00202-0000	SWITCH PLATE (2 REQ'D.)
19	0017-00101-0528	#5-40x3/4 PHIL. RND. HD. SCREW (4 REQ'D.)
20	0696-00113-0000	ENCODER P.C. BRD. MTG. BRKT.
21	0017-00101-0586	#8-32x3/16 SLT. PAN HD. M.S. (2 REQ'D.)
22	A084-91482-A000	OPTICAL ENCODER P.C. BRD.
23	0017-00042-0072	PLASTIC GROMMET (4 REQ'D.)
24	0017-00101-0027	#8x3/4 SLT. HEX HD. WD. SCR. (4 REQ'D.)
	0017-00103-0011	#10-32 LOCK NUT (4 REQ'D.) MOUNTS ASSEMBY TO CONTROL SHELF

— POWER CHASSIS ASSY. — 125VA., 115V.

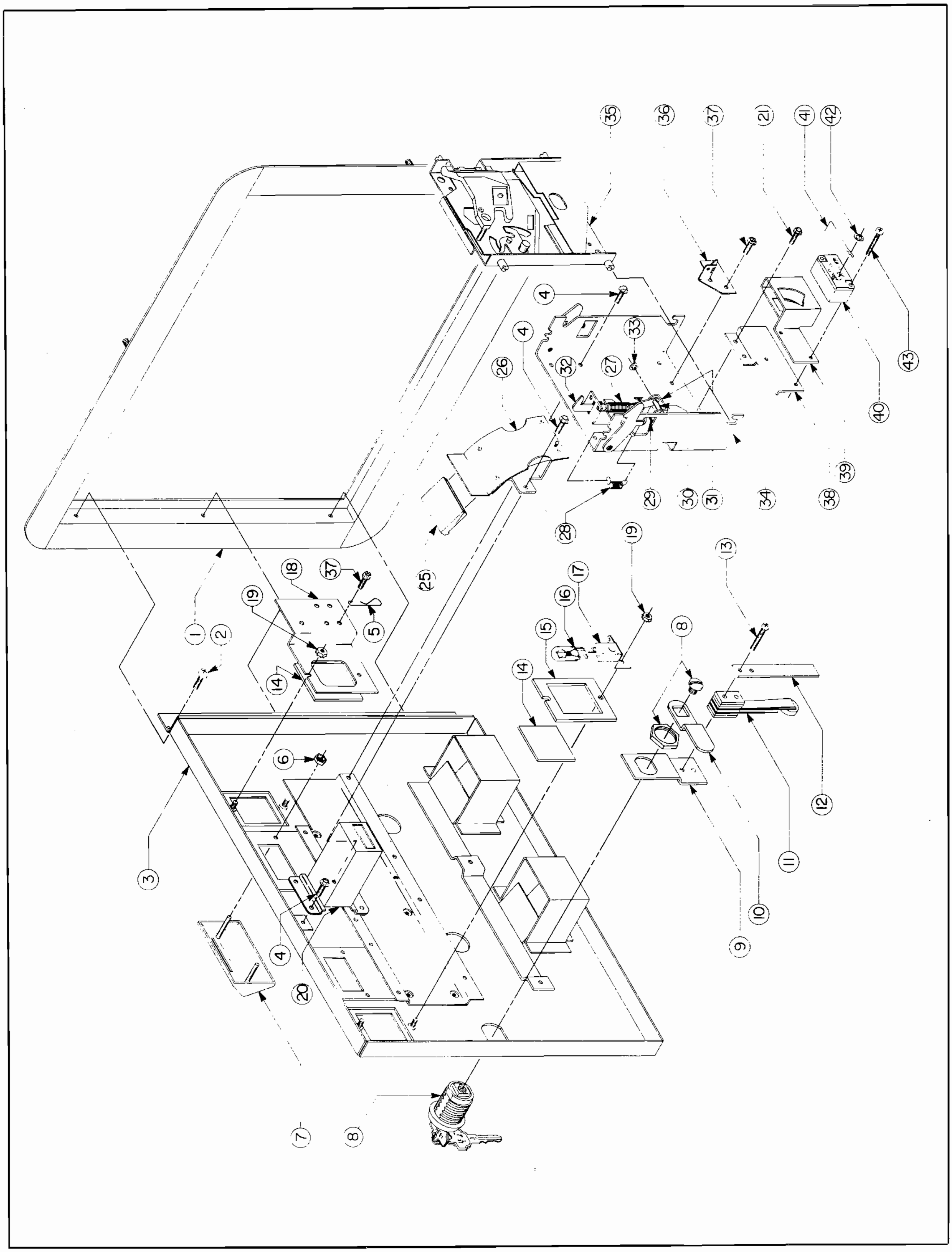


POWER CHASSIS ASSY.—125VA., 115V.—PARTS LIST

ORDER BY PART NUMBER ***ONLY***

ITEM	PART NO.	DESCRIPTION
1	A945-00046-00XF	CHASSIS & PARTITION ASSY.
2	A945-00029-0100	MTG. PLATE & BARRIER ASSY.
3	0945-00107-01XF	STRAP (2 REQ'D.)
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCR. (12 REQ'D.)
5	MT00-00101-A000	ISOLATION TRANSFORMER W/O SHIELD ASSY. — 115V., 50/60 HZ.
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	MT00-00099-A000	POWER TRANSFORMER ASSY. — 115V., 60 HZ.
	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
7	0175-181T4-GXJK	CAPACITOR — 3.5 M.F., 440V.
8	0017-00009-0535	CLAMP
	0017-00101-0565	#6-32 x 7/16 SLT. PAN HD. SCR.
	0017-00103-0084	#6-32 HEX NUT W/SEMS
9	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (11 REQ'D.)
10	0945-00902-0000	SNAP BUSHING (3 REQ'D.)
11	0017-00021-0297	2 POSITION CONNECTOR
12	A945-00030-0100	CONNECTOR & CABLE ASSY. #1
13	A945-00030-0200	CONNECTOR & CABLE ASSY. #2
14	A945-00021-0000	CONVENIENCE OUTLET ASSY.
15	0017-00101-0573	#6-32 x 1/2 PHIL. RND. HD. SCR. (2 REQ'D.)
	0017-00103-0084	#6-32 HEX NUT W/SEMS (2 REQ'D.)
	A945-00025-0000	FILTER ASSEMBLY — 125V. — UNDER CHASSIS (NOT SEEN)
16	0017-00021-0510	TERMINAL STRIP
17	0017-00101-0140	#4-40 x 5/16 PHIL. PAN HD. SCR. (2 REQ'D.)
18	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
19	0017-00003-0005	FUSE — 2A., 250V.
	0017-00003-0444	QUICK CONN. FUSEHOLDER (2 REQ'D.) — FOR ABOVE FUSES
20	0945-00816-1902	CAPACITOR — 100,000 M.F.
21	0945-00816-1901	CAPACITOR — 55,000 M.F.
	0017-00104-0107	#10 FLAT WASHER (4 REQ'D.)
	0017-00103-0081	#10-32 HEX NUT W/SEMS (4 REQ'D.)
22	0017-00009-0422	CLAMP (2 REQ'D.)
	0017-00101-0758	#8-32 x 3/4 PHIL. RND. HD. SCREW (2 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (2 REQ'D.)
23	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (6 REQ'D.)
24	0945-00904-0000	5 POSITION FUSE HOLDER
	0017-00003-0263	SLO-BLO FUSE — 4A., 250V.
	0017-00003-0217	SLO-BLO FUSE — 2.5A., 250V. (2 REQ'D.)
	0017-00003-0007	SLO-BLO FUSE — 3A., 250V. (2 REQ'D.)
	0945-00903-0000	FUSE HOLDER BARRIER
	A945-00022-0000	HEATSINK & DIODE ASSY.
	0017-00101-0067	#6 x 3/8 PHIL. PAN HD. SCR. (2 REQ'D.)
25	0017-00101-0780	#6 x 1/2 PHIL. PAN HD. SCREW (2 REQ'D.)
	0017-00021-0629	5 POSITION TERMINAL STRIP — (UNDER CHASSIS)
	A945-00019-0000	LINE CORD ASSY. — 115V. (NOT SHOWN)
26	A945-00030-0500	CONNECTOR & CABLE ASSY.
27	0017-00101-0660	#10-32 x 3/4 PAN HD. SCREW
	0017-00104-0107	#10 FLAT WASHER
	0017-00103-0081	#10-32 HEX NUT W/SEMS

FRONT DOOR ASSEMBLY - U.S.A. 25¢

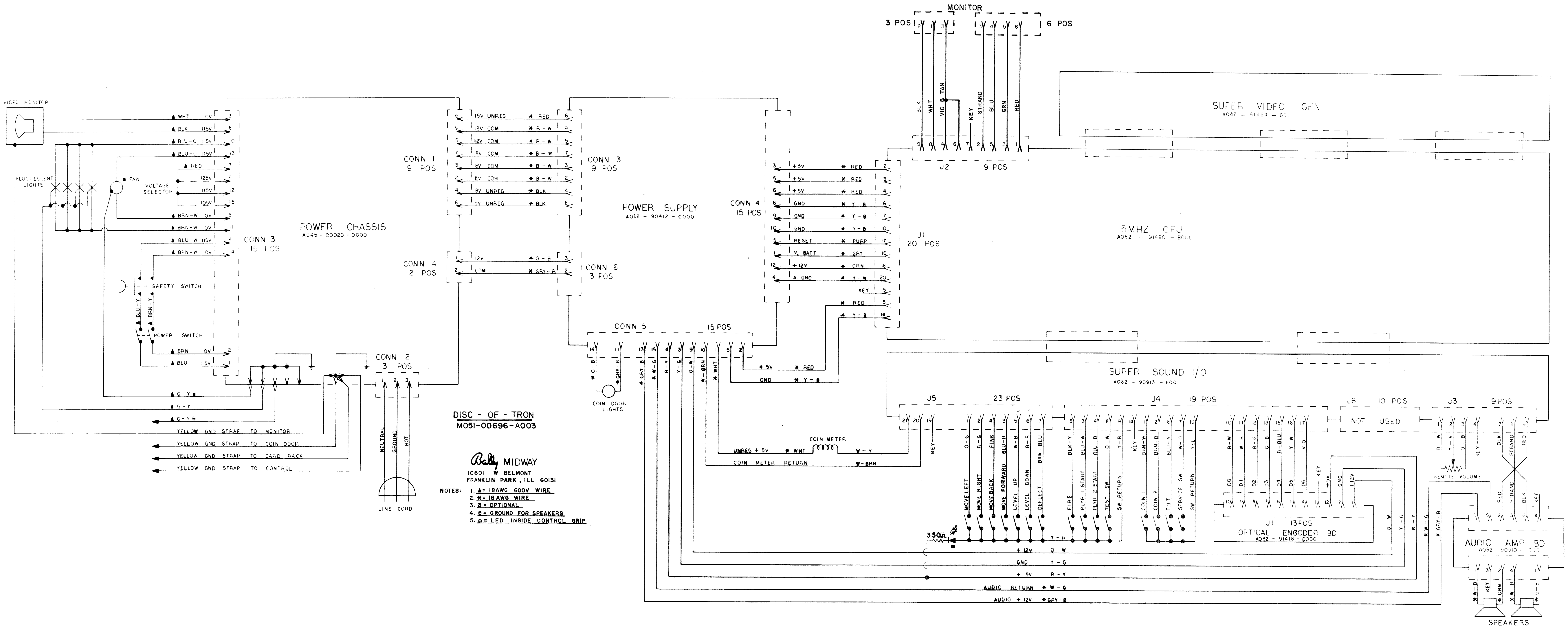


FRONT DOOR ASSEMBLY — U.S.A. 25¢ — PARTS LIST

ORDER BY PART NUMBER ***ONLY***

ITEM	PART NO.	DESCRIPTION
1	0090-00002-04BK	DOUBLE ENTRY COIN DOOR FRAME
2	0017-00101-0121	#6-32 x 5/16 PHIL. TRS. HD. SCR. (3 REQ'D.)
3	A090-00073-02BK	DOUBLE ENTRY COIN DOOR W/DRESS PLATE
4	0017-00101-0123	#8 x 1/4 UNSLOT. HEX HD. SCREW (12 REQ'D.)
5	0017-00007-0019	KEY HOOK
6	0017-00103-0059	PUSH NUT (4 REQ'D.)
7	0090-00912-0000	COIN ENTRY PLATE — 25¢ (2 REQ'D.)
8	A097-00005-0000	DOOR LOCK & KEY W/SCREW & NUT (OR)
8	A097-00006-0000	DOOR LOCK & KEY W/SCREW & NUT
9	0090-00128-00XF	DOOR TILT SWITCH BRKT.
10	0017-00005-0041	DOOR CAM
11	A090-00095-0000	DOOR TILT SWITCH
12	0090-00126-03XF	SWITCH BACK-UP PLATE
13	0017-00101-0525	#5-40 x 9/16" PHIL. HD. M.S. (2 REQ'D.)
	A090-00096-0000	DOOR TILT SWITCH & BRKT. ASSY. (ITEMS 9 & 11 THRU 13)
14	0090-00903-9500	25¢ WINDOW (2 REQ'D.)
15	0090-00143-00XF	COIN PLEX RETAINER
16	0017-00003-0219	12 VOLT LAMP — G.E. #194 (2 REQ'D.)
17	0017-00031-0048	WEDGE SOCKET W/BRKT. (2 REQ'D.)
18	A090-00100-0000	BRKT. ASSY.
19	0017-00103-0084	#6-32 HEX NUT W/SEMS (4 REQ'D.)
20	A090-00089-0000	COIN METER W/DIODE
21	0017-00101-0124	#6 x 1/4 UNSLOT. HEX HD. SCR. (4 REQ'D.)
25	0090-00911-0000	INSULATOR (2 REQ'D.)
26	A090-00112-0000	COIN CHUTE & INSULATOR ASSY. (2 REQ'D.)
27	0010-00134-0000	SPRING
28	0010-00181-0000	SPRING
29	0017-00007-0083	1/8 x 1-5/8 ROLL PIN
30	0090-00129-00XF	PIVOT POST
31	0090-00167-00XF	PIVOT LEVER
32	0090-00182-00XF	REJECT LEVER
33	0017-00100-0018	E-RING
	A090-00088-0000	REJECT LEVER ASSY. (2 REQ'D.) (ITEMS 30 THRU 33)
34	A090-00115-0000	COIN ACCEPTOR FRAME ASSY. (2 REQ'D.)
35	0017-00005-0003	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D.) (OR)
35	0017-00005-0211	COIN ACCEPTOR W/ANTI STRING DEVICE (2 REQ'D.) (OR)
35	0017-00005-0214	COIN ACCEPTOR W/STRING CUTTER (2 REQ'D.)
36	A090-00064-0000	ANTI-PENNY DEVICE
37	0017-00101-0099	#6 x 1/4 SLT. HEX HD. M.S. (2 REQ'D.)
38	0090-00162-00XF	COIN SWITCH MTG. BRKT.
39	0017-00005-0203	COIN SWITCH CHUTE
40	0017-00005-0195	COIN SWITCH
41	0010-00599-0000	COIN SWITCH WIRE
42	0017-00007-0015	PUSH-ON RING
	A090-00059-0400	COIN SWITCH & WIRE ASSY. (ITEMS 40 THRU 42)
43	0017-00101-0147	#4-40 x 3/4 PHIL. PAN. HD. M.S. (2 REQ'D.)
	A090-00077-0000	COIN GUIDE & SWITCH ASSY. (ITEMS 38 THRU 43)

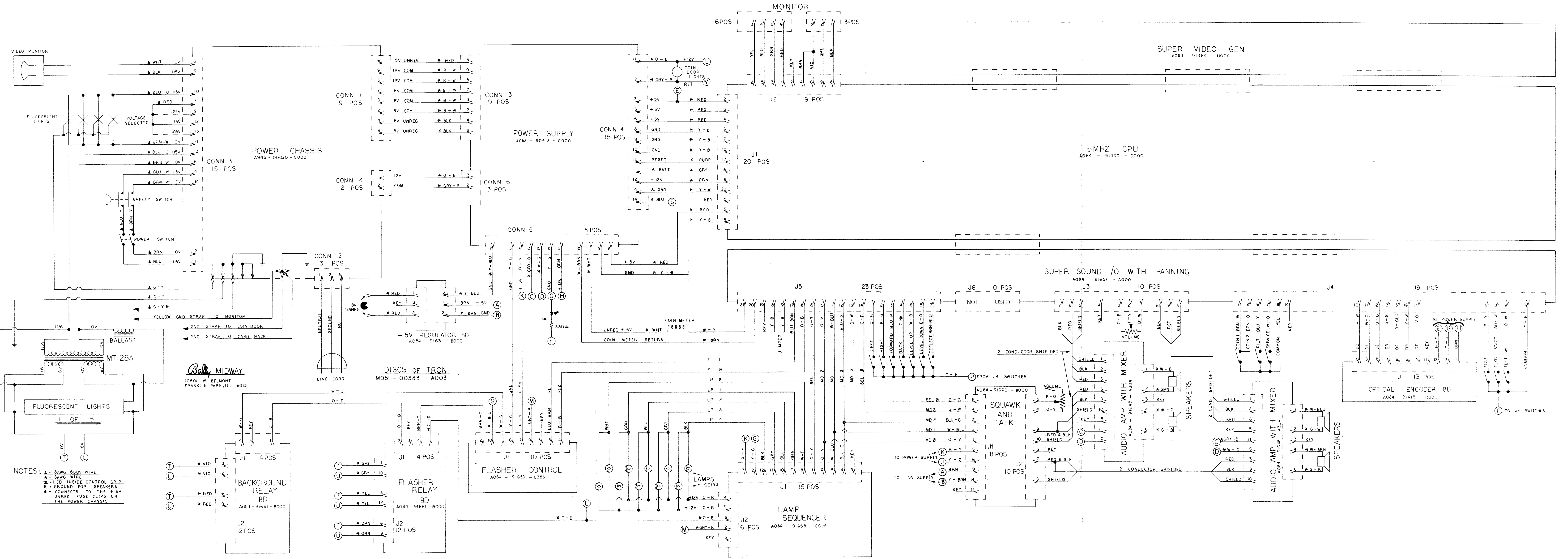
III. Wiring Diagrams & Schematics



DISC - OF - TRON
M051-00696-A003

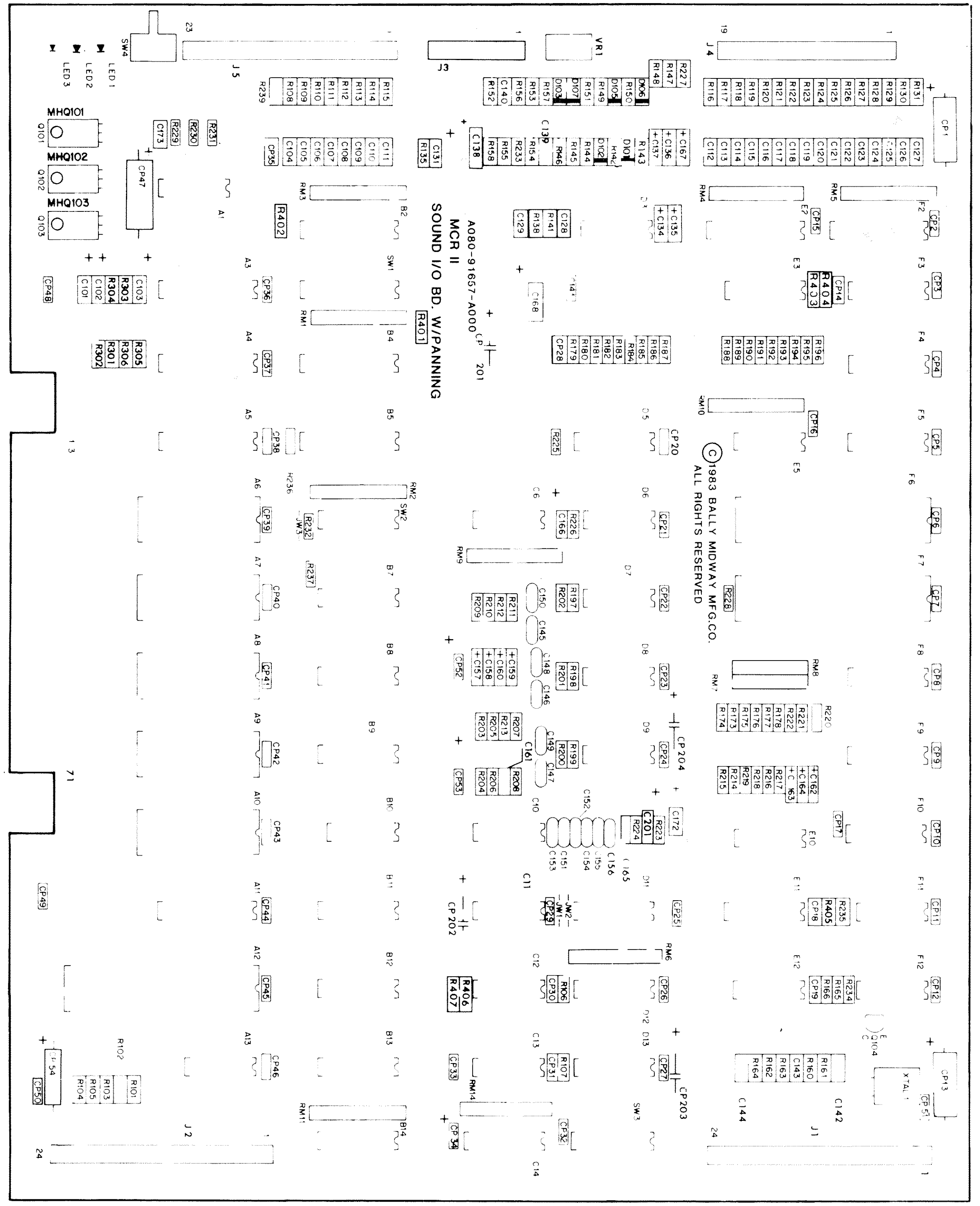
Bally MIDWAY
10601 W BELMONT
FRANKLIN PARK, ILL 60131

NOTES:
1. ▲ = 18AWG 600V WIRE
2. * = 18AWG WIRE
3. Ø = OPTIONAL
4. ⊕ = GROUND FOR SPEAKERS
5. ⊕ = LED INSIDE CONTROL GRIP


MONITOR
SUPER VIDEO GEN
A084 - 91464 - H000
5MHZ CPU
A084 - 91490 - 0000
POWER CHASSIS
A945 - 00020 - 0000
POWER SUPPLY
A082 - 90412 - C000
SUPER SOUND I/O WITH PANNING
A084 - 91657 - A000
-5V REGULATOR BD
A084 - 91631 - B000
Bally MIDWAY
10601 W. BELMONT
FRANKLIN PARK, ILL 60131
DISCS OF TRON
M051 - 00383 - A003
FLUORESCENT LIGHTS
1 OF 5
BACKGROUND RELAY BD
A084 - 91661 - B000
FLASHER RELAY BD
A084 - 91661 - B000
FLASHER CONTROL
A084 - 91659 - C383
LAMP SEQUENCER
A084 - 91658 - C694
SQUAWK AND TALK
A084 - 91660 - B000
AUDIO AMP WITH MIXER
A084 - 91648 - A304
OPTICAL ENCODER BD
A084 - 91415 - D000
NOTES:
▲ = 18AWG 600V WIRE
✱ = 18AWG WIRE
▩ = LED INSIDE CONTROL GRIP
⊘ = GROUND FOR SPEAKERS
◆ = CONNECTS TO THE + 8V UNREG FUSE CLIPS ON THE POWER CHASSIS

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C101-C103	10 MF 25V AX. TANT.
C104-C127	.1 MF 50V AX. CER.
C128,C129	47 PF 50V AX. CER.
C131	10 MF 25V AX. TANT.
C134-C137	1 MF 20V AX. TANT.
C138	10 MF 25V AX. TANT.
C139	.047 MF 100V MYLAR
C140,C141	.01 MF 50V AX. CER.
C142	100 PF 50V AX. CER.
C143	.1 MF 50V AX. CER.
C144	33 PF 50V AX. CER.
C145-C156	.0022 MF 100V 10% MYLAR
C157-C159	1 MF 20V AX. TANT.
C161	330 PF 50V AX. CER.
C162-C164	1 MF 20V AX. TANT.
C165	330 PF 50V AX. CER.
C166-C168	10 MF 25V AX. TANT.
C172	10 MF 25V AX. TANT.
C173	.01 MF 50V AX. CER.
CP1	470 MF 16V AX. ELECT.
CP2-CP12	.01 MF 50V AX. CER.
CP13	470 MF 16V AX. ELECT.
CP14-CP33	.01 MF 50V AX. CER.
CP34	10 MF 25V AX. TANT.
CP35-CP46	.01 MF 50V AX. CER.
CP47	470 MF 16V AX. ELECT.
CP48-CP51	.01 MF 50V AX. CER.
CP52,CP53	10 MF 25V AX. TANT.
CP54	470 MF 16V AX. ELECT.
CP201-CP204	10 MF 25V AX. TANT.
R101-R107	4.7K OHM 1/4W 5% CRBN.
R108-R131	220 OHM 1/4W 5% CRBN.
R135	33K OHM 1/4W 5% CRBN.
R138,R141	180K OHM 1/4W 5% CRBN.
R142,R143	100K OHM 1/4W 5% CRBN.
R144,R145	620K OHM 1/4W 5% CRBN.
R146	10K OHM 1/4W 5% CRBN.
R147,R148	100K OHM 1/4W 5% CRBN.
R149,R150	620K OHM 1/4W 5% CRBN.
R151	10K OHM 1/4W 5% CRBN.
R152	1MEG. OHM 1/4W 5% CRBN.
R153	1K OHM 1/4W 5% CRBN.
R154	1MEG. OHM 1/4W 5% CRBN.
R155,R156	10K OHM 1/4W 5% CRBN.
R157,R158	1.2K OHM 1/4W 5% CRBN.
R160,R161	330 OHM 1/4W 5% CRBN.
R162	220 OHM 1/4W 5% CRBN.
R163	1.2K OHM 1/4W 5% CRBN.
R164	22 OHM 1/4W 5% CRBN.
R165,R166	4.7K OHM 1/4W 5% CRBN.
R173-R178	5.6K OHM 1/4W 5% CRBN.
R179	24K OHM 1/4W 5% CRBN.
R180-R186	4.7K OHM 1/4W 5% CRBN.
R187,R188	24K OHM 1/4W 5% CRBN.
R189-R195	4.7K OHM 1/4W 5% CRBN.
R196	24K OHM 1/4W 5% CRBN.
R197-R202	5.6K OHM 1/4W 5% CRBN.
R203-R208	33K OHM 1/4W 5% CRBN.
R209-R211	13K OHM 1/4W 5% CRBN.
R213	27K OHM 1/4W 5% CRBN.
R214-R219	33K OHM 1/4W 5% CRBN.
R220-R222	13K OHM 1/4W 5% CRBN.
R224	27K OHM 1/4W 5% CRBN.
R225,R226	4.7K OHM 1/4W 5% CRBN.
R227	1K OHM 1/4W 5% CRBN.
R228	4.7K OHM 1/4W 5% CRBN.
R231	300 OHM 1/4W 5% CRBN.
R232	4.7K OHM 1/4W 5% CRBN.
R233	3K OHM 1/4W 5% CRBN.
R234,R235	4.7K OHM 1/4W 5% CRBN.
R239	100 OHM 1/4W 5% CRBN.
R301-R306	2.7K OHM 1/4W 5% CRBN.
R401	1K OHM 1/4W 5% CRBN.
R402	4.7K OHM 1/4W 5% CRBN.
R405-R407	4.7K OHM 1/4W 5% CRBN.
RM1	4.7K OHM 10 PIN S.I.P.
RM3-RM5	2.7K OHM 10 PIN S.I.P.
RM7	4.7K OHM 8 PIN S.I.P.
RM8	820 OHM 8 PIN S.I.P.
RM9	1.8K OHM 10 PIN S.I.P.
RM10	22K OHM 10 PIN S.I.P.
RM14	4.7K OHM 10 PIN S.I.P.
D101-D103	1N4148
D105-D107	1N4148
Q101-Q103	T1P110
Q104	2N4403
IC1A	7406
IC3A,4A	74LS273
IC5A	74LS374
IC6A	1K X 8 RAM
IC7A	ROM/EPROM 0
IC8A	ROM/EPROM 1
IC9A	ROM/EPROM 2
IC10A	ROM/EPROM 3
IC11A	74LS245
IC12A	Z-80 CPU
IC13A	74LS08
IC2B,4B	74LS244
IC7B,8B	74LS138
IC9B	74LS670
IC10B	74LS32
IC11B	74LS670
IC12B,13B	74LS138
IC14B	74LS174
IC6C	7407
IC10C	MC3403
IC11C	74LS04
IC12C	MC14024
IC13C	7427
IC14C	74LS367
IC3D	LM3900
IC5D	MC14051
IC6D	74LS02
IC7D-9D	MC14016
IC11D	74190
IC12D	PROMSB2A
IC13D	74166
IC2E	74LS244
IC3E	MC14051
IC5E	7407
IC10E	MC3403
IC11E	74161
IC12E	74126
IC2F	74LS244
IC3F-5F	74LS191
IC6F,7F	AY-3-8910
IC8F-10F	74LS191
IC11F	7474
IC12F	74S04
ICS6A-ICS10A	24 PIN IC SOCKET
ICS12A	40 PIN IC SOCKET
ICS12D	16 PIN IC SOCKET
ICS6F,7F	40 PIN IC SOCKET
J1,J2	24 PIN KK100 RT. ANGLE
J3	10 PIN KK100 RT. ANGLE OMIT 4
J4	19 PIN KK100 RT. ANGLE OMIT 14
J5	23 PIN KK100 RT. ANGLE OMIT 19
JW1,JW2	JUMPER WIRE
LED 3	YELLOW LED
SW1	10 POSITION DIP
SW3	8 POSITION DIP
SW4	PUSHBUTTON S.W.
XTAL 1	16 MHZ XTAL
MHQ101-MHQ103	SNAP
A080-91657-A000	SOUND I/O BD. W/PANNING

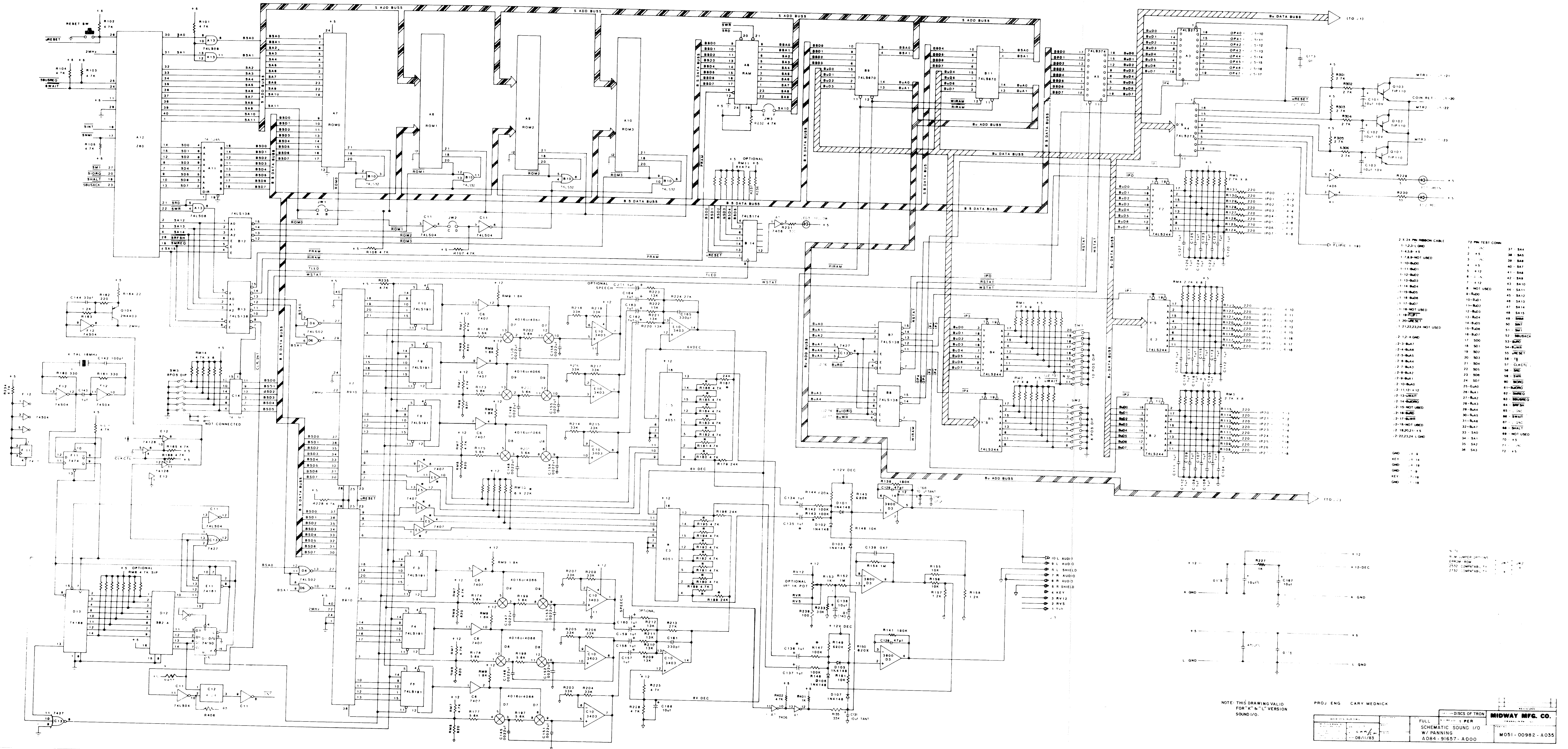


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V 5% AX. CER.	1	C144	0986-00800-0300
47 PF 50V AX. CER.	2	C128,C129	0986-00800-2800
100 PF 50V 5% AX. CER.	1	C142	0986-00800-1000
330 PF 50V AX. CER.	2	C161,C165	0986-00800-1300
.0022 MF 100V 10% MYLAR	12	C145-C156	0986-00800-1200
.047 MF 100V MYLAR	1	C139	0986-00800-2600
.01 MF 50V AX. CER.	50	CP2-CP12,CP14-CP33,CP35-CP46,CP48-CP51,C140,C141,C173	0986-00800-2000
.1 MF 50V AX. CER.	25	C104-C127,C143	0986-00800-1100
1 MF 20V AX. TANT.	10	C134-C137,C157-C159,C162-C164	0986-00800-1400
10 MF 25V AX. TANT.	16	CP34,CP52,CP53,CP201-CP204 C101-C103,C131,C138,C166-C168,C172	0986-00800-0700
470 MF 16V AX. ELECT.	4	CP1,CP13,CP47,CP54	0986-00800-2700
22 OHM 1/4W 5% CRBN.	1	R164	0062-063B3-1XXX
100 OHM 1/4W 5% CRBN.	1	R239	0062-110B3-1XXX
220 OHM 1/4W 5% CRBN.	25	R108-R131,R162	0062-133B3-1XXX
300 OHM 1/4W 5% CRBN.	1	R231	0062-141B3-1XXX
330 OHM 1/4W 5% CRBN.	2	R160,R161	0062-144B3-1XXX
1K OHM 1/4W 5% CRBN.	3	R153,R227,R401	0062-179B3-1XXX
1.2K OHM 1/4W 5% CRBN.	3	R157,R158,R163	0062-183B3-1XXX
2.7K OHM 1/4W 5% CRBN.	6	R301-R306	0062-199B3-1XXX
3K OHM 1/4W 5% CRBN.	1	R233	0062-201B3-1XXX
4.7K OHM 1/4W 5% CRBN.	33	R101-R107,R165,R166,R180-R186,R189-R195,R225,R226,R228,R232,R234,R235,R402,R405-R407	0062-211B3-1XXX
5.6K OHM 1/4W 5% CRBN.	12	R173-R178,R197-R202	0062-215B3-1XXX
10K OHM 1/4W 5% CRBN.	4	R146,R151,R155,R156	0062-227B3-1XXX
13K OHM 1/4W 5% CRBN.	6	R209-R211,R220-R222	0062-233B3-1XXX
24K OHM 1/4W 5% CRBN.	4	R179,R187, R188,R196	0062-245B3-1XXX
27K OHM 1/4W 5% CRBN.	2	R213,R224	0062-247B3-1XXX
33K OHM 1/4W 5% CRBN.	13	R135,R203-R208,R214-R219	0062-251B3-1XXX
100K OHM 1/4W 5% CRBN.	4	R142,R143, R147,R148	0062-275B3-1XXX
180K OHM 1/4W 5% CRBN.	2	R138,R141	0062-287B3-1XXX
620K OHM 1/4W 5% CRBN.	4	R144,R145,R149,R150	0062-313B3-1XXX
1 MEG. OHM 1/4W 5% CRBN.	2	R152,R154	0062-323B3-1XXX
820 OHM 8 PIN S.I.P.	1	RM8	0986-00805-0800
1.8K OHM 10 PIN S.I.P.	1	RM9	0986-00805-0600
2.7K OHM 10 PIN S.I.P.	3	RM3-RM5	0986-00805-0500
4.7K OHM 8 PIN S.I.P.	1	RM7	0986-00805-0400
4.7K OHM 10 PIN S.I.P.	2	RM1,RM14	0986-00805-0300
22K OHM 10 PIN S.I.P.	1	RM10	0986-00805-0700
1N4148	6	D101-D103,D105-D107	0986-00801-0200
2N4403	1	Q104	0986-00802-0500
T1P110	3	Q101-Q103	0986-00802-0400
74LS02	1	IC 6D	0986-00803-7400
74LS04	1	IC 11C	0986-00803-6900
74S04	1	IC 12F	0986-00803-6600
7406	1	IC 1A	0986-00803-7600
7407	2	IC 5E,6C	0986-00803-5900
74LS08	1	IC 13A	0986-00803-7300
7427	1	IC 13C	0986-00803-7200
74LS32	1	IC 10B	0986-00803-6100
7474	1	IC 11F	0986-00803-6700
74126	1	IC 12E	0986-00803-6800
74LS138	4	IC 7B,8B,12B,13B	0986-00803-6500
74161	1	IC 11E	0986-00803-5100
74166	1	IC 13D	0986-00803-5300
74LS174	1	IC 14B	0986-00803-7500
74190	1	IC 11D	0986-00803-9400
74LS191	6	IC 3F-5F,8F-10F	0986-00803-5600
74LS244	4	IC 2B,4B,2E,2F	0986-00803-4800
74LS245	1	IC 11A	0986-00803-6400
74LS273	2	IC 3A,4A	0986-00803-4700
74LS367	1	IC 14C	0986-00803-7000
74LS374	1	IC 5A	0986-00803-4600
74LS670	2	IC 9B,11B	0986-00803-6300
AY-3-8910	2	IC 6F,7F	0986-00803-8500
LM3900	1	IC 3D	0986-00803-4900
MC3403	2	IC 10C,10E	0986-00803-5000
MC14016	3	IC 7D-9D	0986-00803-6200
MC14024	1	IC 12C	0986-00803-7100
MC14051	2	IC 3E,5D	0986-00803-5400
PROMSB2-A	1	IC 12D	0986-00803-8200
RAM 1K X 8	1	IC 6A	0986-00803-8000
ROM/EPROM 0	1	IC 7A	
ROM/EPROM 1	1	IC 8A EPROM/ROM	
ROM/EPROM 2	1	IC 9A OPTIONS KIT	0383-00803-0001
ROM/EPROM 3	1	IC 10A	
Z-80(3880)	1	IC 12A	0986-00803-5500
16 PIN IC SOCKET	1	ICS 12D	0986-00804-1400
24 PIN IC SOCKET	5	ICS 6A-ICS 10A	0986-00804-1600
40 PIN IC SOCKET	3	ICS 12A,ICS 6F,ICS 7F	0986-00804-1500
10 PIN KK 100 RT. ANGLE OMIT 4	1	J3	3000-16366-1002
19 PIN KK 100 RT. ANGLE OMIT 14	1	J4	3000-16366-1901
23 PIN KK 100 RT. ANGLE OMIT 19	1	J5	3000-16366-2301
24 PIN KK 100 RT. ANGLE	2	J1,J2	0986-00804-4700
JUMPER WIRE	2	JW1,JW2	0986-00804-4000
YELLOW LED	1	LED 3	0986-00804-2000
8 POSITION DIP SW.	1	SW3	0986-00805-0900
10 POSITION DIP SW.	1	SW1	0986-00805-1000
PB SWITCH	1	SW4	0986-00804-1700
16 MHZ XTAL W/3RD LEAD	1	XTAL 1	0986-00805-1100
SNAPS	3	MHQ101-MHQ103	0017-00007-0134
SOUND I/O BD. W/PANNING	1		A080-91657-A000

REVISIONS

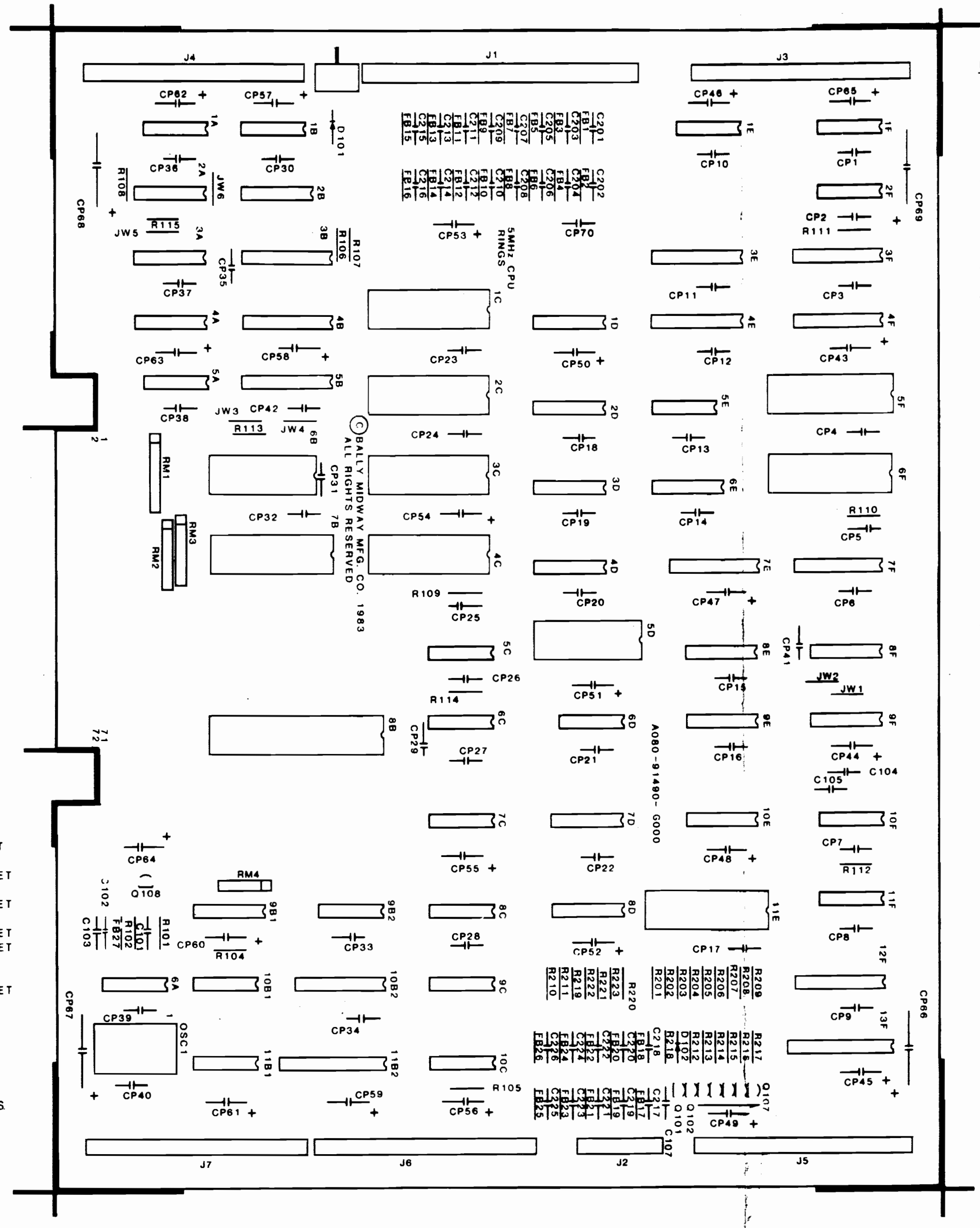
PROJECT ENG: C. MEDNICK		USED ON MCR II / DISC S/U	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DO NOT SCALE DWG.	HEAT TREAT	SCALE FULL	NO REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRR. RCW / CKD. CMM / DATE 08/22/83	MAT'L / FINISH	ASSEMBLY DWG. SOUND I/O BD. W/ PANNING DISC S/U A084-91657-A383	PART NO M051 - 00383 - A024


NOTE: THIS DRAWING VALID FOR "K" & "L" VERSION SOUND I/O.
PROJ ENG CARY MEDNICK
DISCS OF TRON
MIDWAY MFG. CO.
FULL
1 PER
SCHEMATIC SOUND I/O W/ PANNING
A084-91657-A000
M051-00982-A035
08/11/83

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
CP1-CP42	.01 MF AX. CER.
CP43-CP65	10 MF 25V AX. TANT.
CP66-CP69	470 MF 16V AX. ELECT.
CP70	.01 MF AX. CER.
C101	33 PF AX. CER.
C102	47 PF AX. CER.
C103	.1 UF AX. CER.
C104	.1 UF AX. CER.
C105	390 PF AX. CER.
C107	390 PF AX. CER.
C201-C216	390 PF AX. CER.
C217-C222	47 PF AX. CER.
C223-C226	820 PF AX. CER.
R101	82K OHM 1/4W 5% CRBN.
R102	39 OHM 1/4W 5% CRBN.
R104,R105	1K OHM 1/4W 5% CRBN.
R106-R108	4.7K OHM 1/4W 5% CRBN.
R109-R114	1K OHM 1/4W 5% CRBN.
R115	4.7K OHM 1/4W 5% CRBN.
R201	510 OHM 1/4W 5% CRBN.
R202	1K OHM 1/4W 5% CRBN.
R203	2K OHM 1/4W 5% CRBN.
R204	510 OHM 1/4W 5% CRBN.
R205	1K OHM 1/4W 5% CRBN.
R206	2K OHM 1/4W 5% CRBN.
R207	510 OHM 1/4W 5% CRBN.
R208	1K OHM 1/4W 5% CRBN.
R209	2K OHM 1/4W 5% CRBN.
R210,R211	560 OHM 1/4W 5% CRBN.
R212-R217	10 OHM 1/4W 5% CRBN.
R218	1K OHM 1/4W 5% CRBN.
R219	100 OHM 1/4W 5% CRBN.
R220	820 OHM 1/4W 5% CRBN.
R221,R223	470 OHM 1/4W 5% CRBN.
RM1	4.7K OHM 9 PIN SIP
RM2,RM3	4.7K OHM 8 PIN SIP
RM4	4.7K OHM 6 PIN SIP
D101	1N5817
D102	1N4148
Q101	2N4123
Q102-Q107	A 70
Q108	2N4403
OSC 1	20 MHZ ± 0.1% OSCILLATOR
IC 1A	74LS32
IC 2A	4053
IC 3A	74LS161

DESIGNATION NO.	DESCRIPTION
IC 4A	74LS367
IC 5A	74LS04
IC 6A	74S04
IC 1B	74LS32
IC 2B	4017
IC 3B	MMC07
IC 4B,IC 5B	74LS244
IC 6B	NV RAM
IC 7B	Z80B CTC
IC 8B	Z80B
IC 9B1	74S161
IC 9B2	74LS04
IC 10B1	74LS08
IC 10B2	MMC03
IC 11B1	74LS86
IC 11B2	MMC01
IC 1C,IC 2C, IC 3C,IC 4C	EPROM
IC 5C,IC 6C	74LS74
IC 7C	74LS04
IC 8C	7427
IC 9C,IC 10C	74LS20
IC 1D	74LS139
IC 2D,IC 3D, IC 4D,IC 7D, IC 8D	74LS157
IC 5D	RAM
IC 6D	74LS32
IC 1E	74LS32
IC 3E,IC 4E	74LS245
IC 5E	74LS08
IC 6E,IC 9E	74LS174
IC 7E	74LS273
IC 8E	74LS153
IC 10E	74LS157
IC 11E	93419
IC 1F,IC 2F	74LS86
IC 3F,IC 4F, IC 7F	74LS273
IC 5F,IC 6F	EPROM
IC 8F	74LS153
IC 9F	74LS157
IC 10F,IC 11F	74LS74
IC 12F	MMC06
IC 13F	MMC02
FB1-FB27	FERRITE BEAD
ICS 13FA, ICS 11B2A	8 PIN DIP SOCKET
ICS 13FB, ICS 11B2B	16 PIN DIP SOCKET
ICS 3B,ICS 10B2, ICS 12F	20 PIN DIP SOCKET
ICS 6B,5D	24 PIN DIP SOCKET
ICS 7B,ICS 1C-4C, ICS 11E,ICS 5F, ICS 6F	28 PIN DIP SOCKET
ICS 8B	40 PIN DIP SOCKET
J1	20 PIN .156C CONN. OMIT 15
J2	9 PIN .100C CONN. OMIT 3
J3-J7	HEADER
-	FLEX PACK JUMPERS
JW1-JW6	JUMPERS
SW1	PUSH BUTTON SW.
A080-91490-G000	5 MHZ CPU BD.



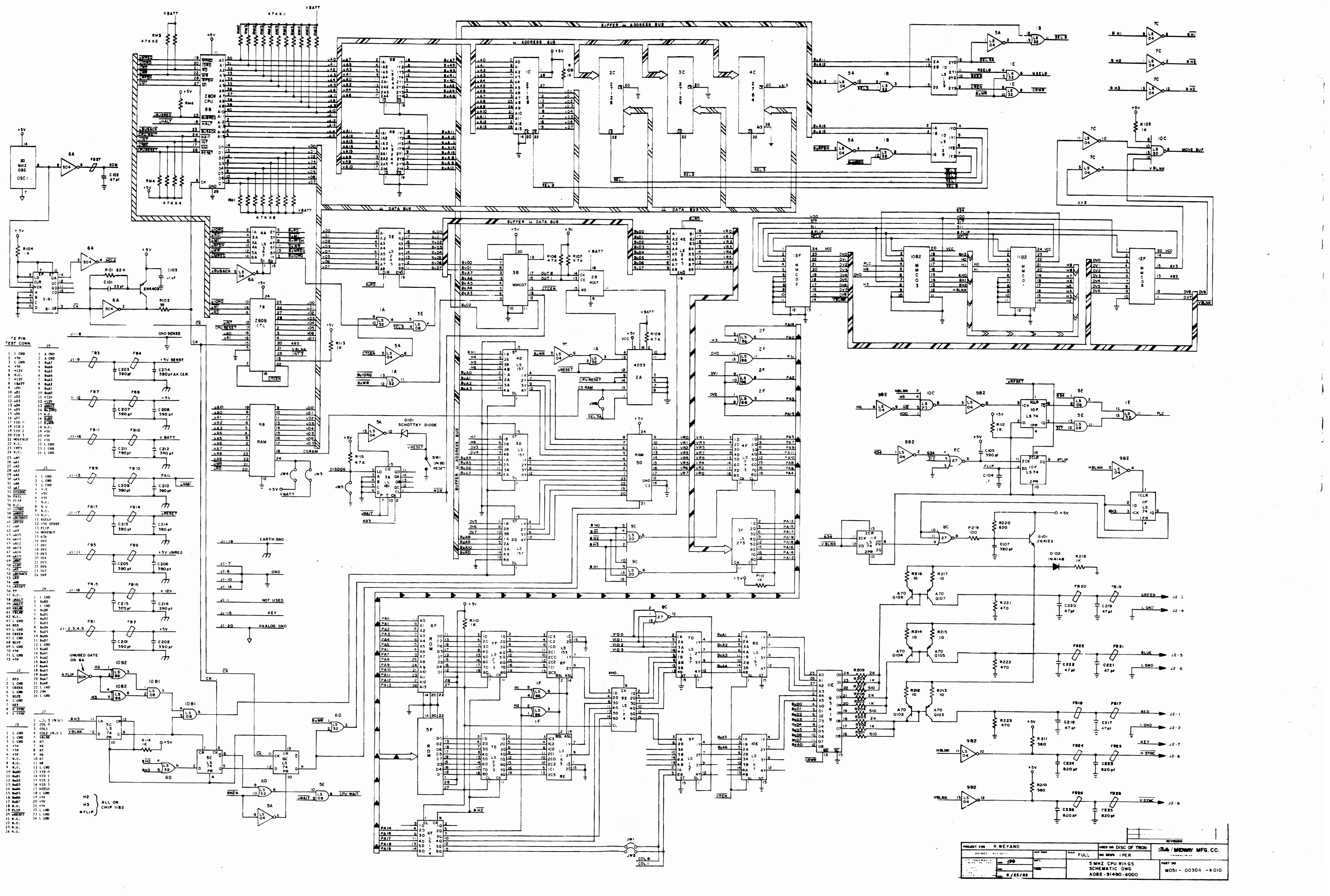
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
33 PF 50V AX. CER.	1	C101	0986-00800-0300
47 PF 50V AX. CER.	7	C102,C217-C222	0986-00800-2800
390 PF 50V AX. CER.	18	C105,C107,C201-C216	0986-00800-3000
820 PF 50V AX. CER.	4	C223-C226	0945-00816-0400
.01 MF 50V 20% AX. CER.	43	CP1-CP42,CP70	0986-00800-2200
.1 MF 50V 20% AX. CER.	2	C103,C104	0986-00800-0200
10 MF 25V 10% AX. TANT.	23	CP43-CP65	0986-00800-3400
470 MF 16V AX. CER.	4	CP66-CP69	0986-00800-3300
10 OHM 1/4W 5% CRBN.	6	R212-R217	0062-051B3-1XXX
39 OHM 1/4W 5% CRBN.	1	R102	0062-080B3-1XXX
100 OHM 1/4W 5% CRBN.	1	R219	0062-110B3-1XXX
470 OHM 1/4W 5% CRBN.	3	R221-R223	0062-156B3-1XXX
510 OHM 1/4W 5% CRBN.	3	R201,R204,R207	0062-159B3-1XXX
560 OHM 1/4W 5% CRBN.	2	R210,R211	0062-162B3-1XXX
820 OHM 1/4W 5% CRBN.	1	R220	0062-174B3-1XXX
1K OHM 1/4W 5% CRBN.	12	R104,R105,R109-R114,R202,R205,R208,R218	0062-179B3-1XXX
2K OHM 1/4W 5% CRBN.	3	R203,R206,R209	0062-193B3-1XXX
4.7K OHM 1/4W 5% CRBN.	4	R106-R108,R115	0062-211B3-1XXX
82K OHM 1/4W 5% CRBN.	1	R101	0062-271B3-1XXX
4.7K OHM 9 PIN SIP.	1	RM1	0304-00804-0005
4.7K OHM 8 PIN SIP.	2	RM2,RM3	0986-00805-0400
4.7K OHM 6 PIN SIP.	1	RM4	0986-00804-2400
1N5817	1	D101	0986-00801-0300
1N4148	1	D102	0986-00801-0100
2N4123	1	Q101	0986-00802-0100
A 70	6	Q102-Q107	0986-00802-0300
2N4403	1	Q108	0986-00802-0200
20 MHZ ± 0.1% OSCILLATOR	1	OSC1	0304-00804-0007
4017	1	IC 2B	0986-00803-8700
4053	1	IC 2A	0986-00803-2000
74LS04	3	IC 9B2,7C,5A	0986-00803-1007
74LS08	2	IC 10B1,5E	0986-00803-1006
74LS20	2	IC 9C,10C	0986-00803-1004
7427	1	IC 8C	0304-00803-0046

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
74LS32	4	IC 1A,1B,6D,1E	0986-00803-0600
74LS74	4	IC 5C,6C,10F,11F	0986-00803-1005
74LS86	3	IC 11B1,1F,2F	0986-00803-9900
74LS139	1	IC 1D	0304-00803-0042
74LS153	2	IC 8E,8F	0986-00803-1000
74LS157	7	IC 2D,3D,4D,7D,8D 10E,9F	0986-00803-9700
74LS161	1	IC 3A	0986-00803-1003
74LS174	2	IC 6E,9E	0986-00803-9800
74LS244	2	IC 4B,5B	0986-00803-0800
74LS245	2	IC 3E,4E	0986-00803-0900
74LS273	4	IC 7E,3F,4F,7F	0986-00803-1001
74LS367	1	IC 4A	0986-00803-2200
74S04	1	IC 6A	0986-00803-0400
74S161	1	IC 9B1	0304-00803-0038
93419	1	IC 11E	0986-00803-9600
EPROM	6	IC 1C,2C,3C,4C, 5F,6F	
MMC01	1	IC 11B2	0986-00803-8900
MMC02	1	IC 13F	0986-00803-9000
MMC03	1	IC 2B	0986-00803-9100
MMC07	1	IC 3B	0986-00804-3200
NV RAM	1	IC 6B	0986-00803-8100
RAM	1	IC 5D	0986-00803-1008
Z80B	1	IC 8B	0304-00803-0041
Z80B CTC	1	IC 7B	0304-00803-0040
FERRITE BEAD	27	FB1-FB27	0316-00804-0002
8 PIN DIP SOCKET	2	ICS 13FA, ICS 11B2A	0986-00804-3600
16 PIN DIP SOCKET	2	ICS 13BF, ICS 11B2B	0986-00804-3700
20 PIN DIP SOCKET	3	ICS 3B,ICS 10B2, ICS 12F	0986-00804-3800
24 PIN DIP SOCKET	2	ICS 6B,ICS 5D	0986-00804-3400
28 PIN DIP SOCKET	8	ICS 7B,ICS 1C-4C, ICS 11E,ICS 5F, ICS 6F	0986-00804-3900
40 PIN DIP SOCKET	1	ICS 8B	0986-00804-3500
FMD. HDR. .100C OMIT 3	1	J2	3000-16366-0902
FMD. HDR. .156C OMIT 15	1	J1	3000-16387-2010
HEADER	5	J3-J7	0986-00804-4700
FLEX PACK JUMPERS	5	-	0986-00804-4800
JUMPERS	6	JW1-JW6	0986-00804-4000
PUSH BUTTON SW.	1	SW1	0986-00804-3100
5 MHZ CPU BD.	1		A080-91490-G000

REVISIONS

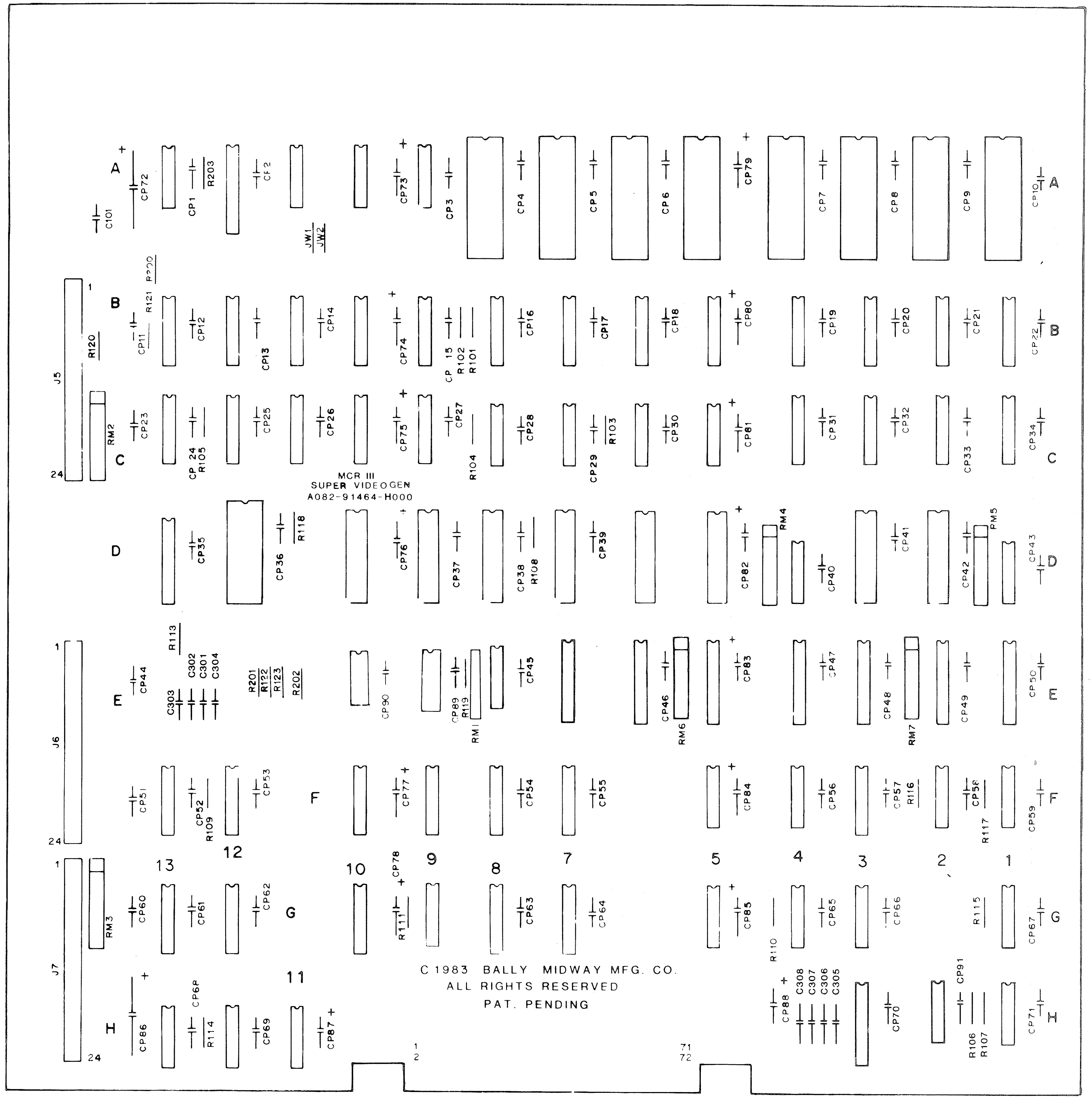
PROJECT ENG: R. WEYAND		USED ON DISC OF TRON	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRN. RCW	MAT'L.	ASSEMBLY DRAWING 5 MHZ CPU RINGS A080-91490-G000
	CKD.	FINISH	PART NO M051 - 00304 - G009
	DATE 09/01/83		


72 PIN TEST CONN
Z80B CPU
SCHOTTKY DIODE
BUFFER μ ADDRESS BUS
μ ADDRESS BUS
BUFFER μ DATA BUS
μ DATA BUS
UNUSED GATE ON 6A
ALL ON CHIP 11B2
PROJECT ENG R. WEYAND
USED ON DISC OF TRON
MIDWAY MFG. CO.
FULL
5 MHZ CPU RINGS
SCHEMATIC DWG
A082-91490-A000
M051-00304-A010

DESIGNATION LIST

DESIGNATION	DESCRIPTION
C101	.01 MF AX CER
C301-C308	100 PF AX CER
CP1-CP71	.01 MF AX CER
CP72,CP86	100 MF AX ELECT.
CP73-CP85,CP87, CP88	10 MF 25V AX TANT.
CP89,CP90,CP91	.01MF AX. CER.
R101-R111,R113- R121	1K OHM 1/4W
R122,R123	560 OHM 1/4W
R200	100 OHM 1/4 W
R201, R202	82 OHM 1/4 W
R203	1K OHM 1/4 W
RM1	82 OHM 8 PIN SIP
RM 2	1K 10 PIN SIP
RM 3	1K 10 PIN SIP
RM 4	1K 9 PIN SIP
RM 5	1K 9 PIN SIP
RM 6	1K 9 PIN SIP
RM 7	1K 9 PIN SIP
IC 1A	EPROM
IC 2A	EPROM
IC 3A	EPROM
IC 4A	EPROM
IC 5A	EPROM
IC 6A	EPROM
IC 7A	EPROM
IC 8A	EPROM
IC 9A	74LS86
IC 10A	74LS86
IC 11A	74LS174
IC 12A	74LS273
IC 13A	74S04
IC 1B	74LS194
IC 2B	74LS194
IC 3B	74LS194
IC 4B	74LS194
IC 5B	74LS194
IC 6B	74LS194
IC 7B	74LS194
IC 8B	74LS194
IC 9B	74LS161
IC 10B	74LS174
IC 11B	74LS174
IC 12B	74S283
IC 13B	74S283
IC 1C	74LS258
IC 2C	74LS258
IC 3C	74LS258
IC 4C	74LS258
IC 5C	74LS00
IC 6C	74LS04
IC 7C	74LS74
IC 8C	74LS30
IC 9C	74LS169
IC 10C	74LS169
IC 11C	74LS169
IC 12C	74LS169
IC 13C	74S133

DESIGNATION	DESCRIPTION
IC 1D	7420
IC 2D	93479
IC 3D	93479
IC 4D	7420
IC 5D	93479
IC 6D	93479
IC 7D	93422
IC 8D	93422
IC 9D	93422
IC 10D	93422
IC 12D	STAT. RAM
IC 13D	74LS245
IC 1E	74LS374
IC 2E	74LS374
IC 3E	74LS374
IC 4E	74LS374
IC 5E	74LS374
IC 6E	74LS374
IC 7E	74LS240
IC 8E	74LS00
IC 9E	74S161
IC 10E	74S04
IC 1F	74LS74
IC 2F	74LS74
IC 3F	74LS157
IC 4F	74S00
IC 5F	74LS32
IC 7F	74LS283
IC 8F	74LS175
IC 9F	74LS157
IC 10F	74LS157
IC 12F	74LS157
IC 13F	74LS157
IC 1G	74LS74
IC 3G	74S08
IC 4G	74LS30
IC 5G	74LS30
IC 7G	74LS283
IC 8G	74LS174
IC 9G	74LS10
IC 10G	74LS157
IC 12G	74LS157
IC 13G	74LS157
IC 1H	74LS32
IC 2H	74S86
IC 3H	74LS240
IC 11H	7420
IC 12H	7420
IC 13H	74LS74
ICS1A-ICS8A	28 PIN SOCKET
ICS D2,D3,D5-D10	22 PIN SOCKET
ICS D12	24 PIN SOCKET
J5,J6,J7	KK100 RT. ANGLE 24 PIN CONN.
JW 1, JW2	JUMPER WIRE
MCR III SUPER VIDEO GEN.	A082-91464-H000

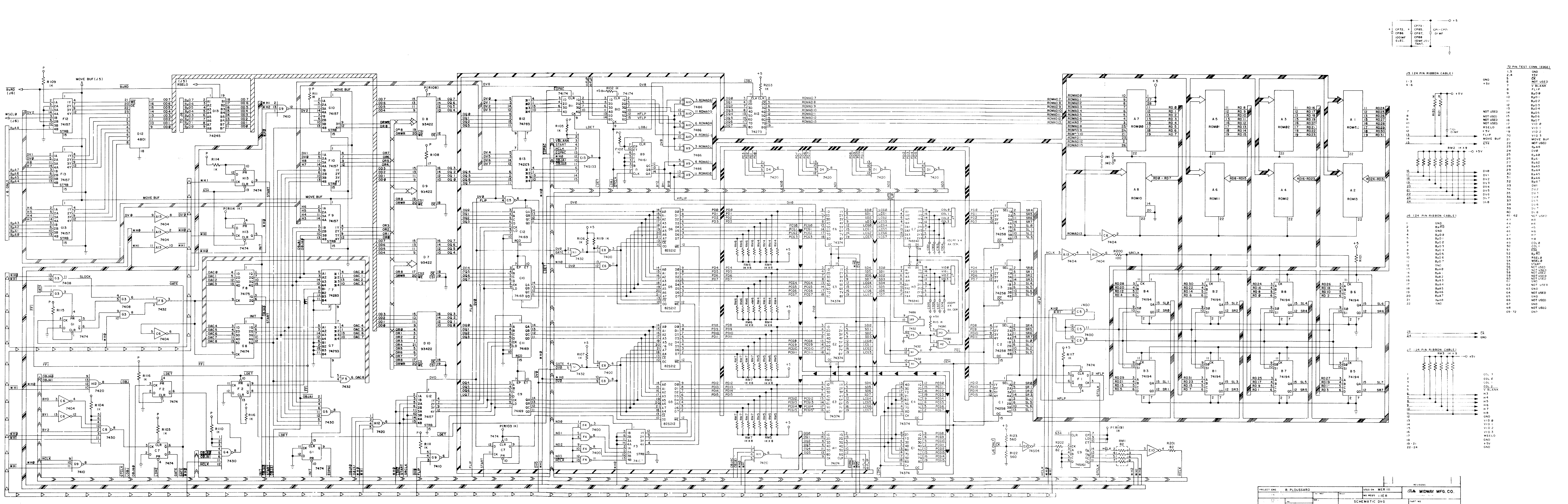


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
CAP 100 PF	8	C301-C308	0986-00800-1000
CAP .01MF	75	C101,CP1-CP71, CP89,CP90, CP91	0986-00800-2500
CAP 10MF	15	CP73-CP85,CP87, CP88	0986-00800-2400
CAP 100MF	2	CP72,CP86	0986-00800-1800
82 OHM 1/4 W RES.	2	R201, R202	0062-104B3-1XXX
100 OHM 1/4 W RES.	1	R200	0062-110B3-1XXX
1K OHM 1/4 W RES.	21	R101-R111,R113- R121,R203	0062-179B3-1XXX
560 OHM 1/4W RES.	2	R122,R123	0062-162B3-1XXX
8 PIN SIP 82 OHM	1	RM1	0333-00804-0004
9 PIN SIP 1K OHM	4	RM4-RM7	0304-00804-0002
10 PIN SIP 1K OHM	2	RM2,RM3	0986-00804-1000
74S00	1	4F	0304-00803-0047
74LS00	2	5C,8E	0304-00803-0010
74S04	2	13A,10E	0304-00803-0011
74LS04	1	6C	0304-00803-0012
74S08	1	3G	0304-00803-0037
74LS10	1	9G	0304-00803-0014
7420	4	1D,4D,11H,12H	0304-00803-0015
74LS30	3	8C,4G,5G	0304-00803-0016
74LS32	2	5F,1H	0304-00803-0017
74LS74	5	7C,1F,2F,1G,13H	0304-00803-0018
74S86	1	2H	0304-00803-0049
74LS86	2	9A,10A	0304-00803-0019
74S133	1	13C	0304-00803-0020
74LS157	8	3F,9F,10F,12F,13F, 10G,12G,13G	0304-00803-0021
74S161	1	9E	0304-00803-0038
74LS161	1	9B	0304-00803-0022
74LS169	4	9C-12C	0304-00803-0023
74LS174	4	11A,10B,11B,8G	0304-00803-0024
74LS175	1	8F	0304-00803-0025
74LS194	8	1B-8B	0304-00803-0026
74LS240	2	7E,3H	0304 00803-0050
74LS245	1	13D	0304-00803-0027
74LS258	4	1C-4C,	0304-00803-0028
74LS273	1	12A	0304-00803-0029
74S283	2	12B,13B	0304-00803-0039
74LS283	2	7F,7G	0304-00803-0030
74LS374	6	1E-6E	0304-00803-0031
93422	4	7D-10D	0304-00803-0032
93479	4	2D,3D,5D,6D	0304-00803-0033
STAT. RAM	1	12D	0304-00803-0034
EPROM KIT	8	IC1A-8A	0383-00803-0002
28 PIN SOCKET	8	ICS 1A-8A	0986-00804-0300
22 PIN SOCKET	8	ICS 2D,3D,5D,6D, 7D-10D	0986-00804-0700
24 PIN SOCKET	1	ICS 12D	0986-00804-1600
KK100 RT. ANGLE 24 PIN CONN.	3	J5,J6,J7	0986-00804-4700
JUMPER WIRE	2	JW1, JW2	0986-00805-0200
MCR III SUPER VIDEO GEN.			A082-91464-H000

REVISIONS

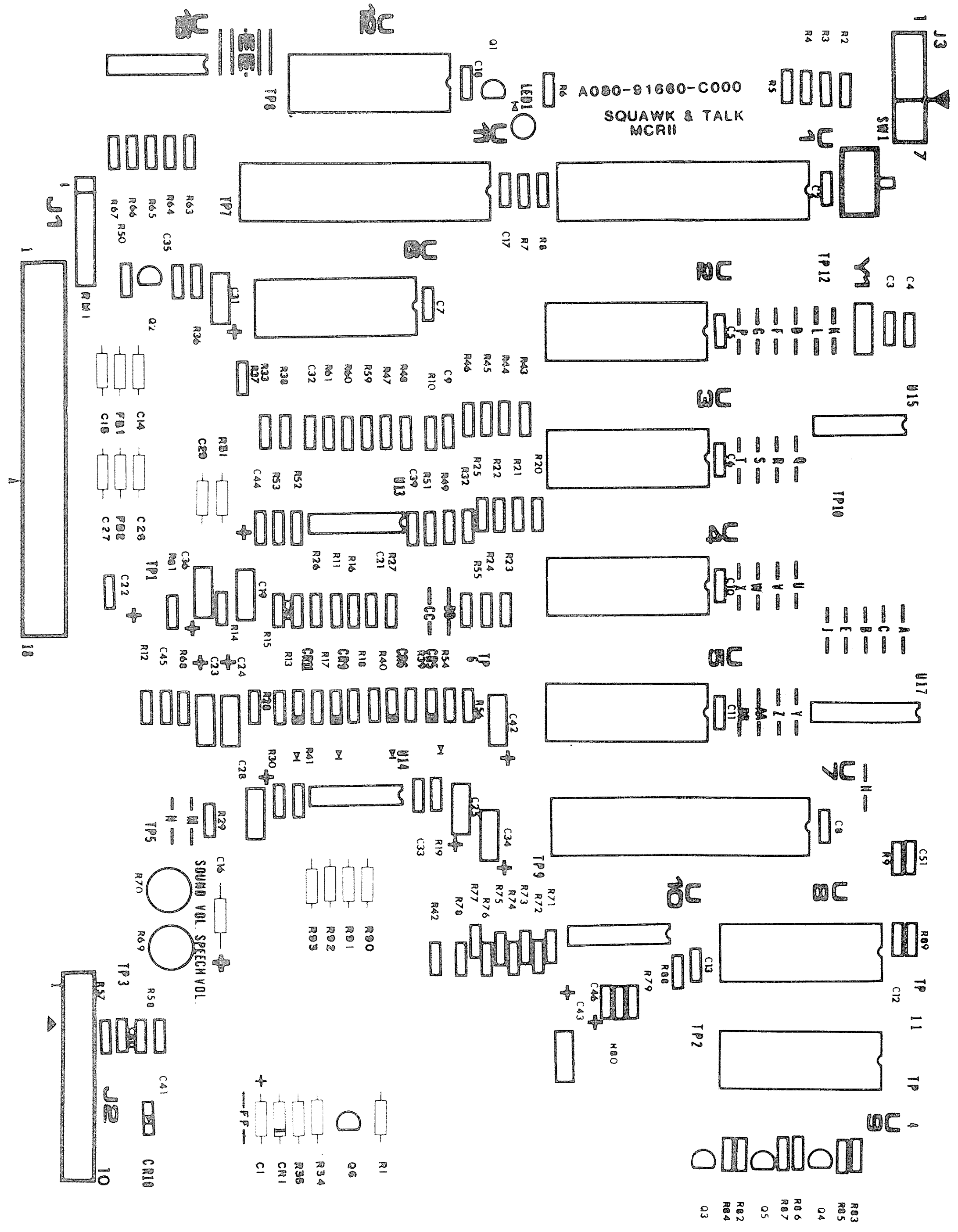
	USED ON DISCS OF TRON	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
SCALE FULL	NO. REQ'D 1 PER	
SUPER VIDEO GEN. MCR III ASSY DWG A082-91464-H000		PART NO. M051- 00696 - A012


PROJECT ENG R. PLOUSSARD
USED ON MCR III
NO REQ'D 1 PER
MIDWAY MFG. CO.
REVISIONS
SCHEMATIC DVG
SUPER VIDEO GEN. MCR III
A082-91464-H000
DATE 06/23/83
PART NO M051-00304-H006

DESCRIPTION LIST

DESIGNATION NO.	DESCRIPTION
C1	10 MF TANT.
C2	.01 MF 25/50V CER
C3,C4	27 PF 100V AX CER
C5-C8	.01 MF 25/50V CER
C9	470 PF 50V AX CER
C10,C11	.01 MF 25/50V CER
C12,C13	.1 MF 25V AX CER
C14,C15	390 PF 50V AX CER
C16	100 MF TANT.
C17,C18	.01 MF 25/50V CER
C19	1 MF 25/50V ELECT
C20	470 PF 50V AX CER
C21	68 PF 100V AX CER
C22	4.7 MF 25V TANT
C23	.47 MF 12/16V AX
C24,C25	1 MF 25/50V ELECT
C26,C27	390 PF 50V AX CER
C28	1 MF 25/50V ELECT
C29	.0047 MF AX CER
C30	NOT USED
C31	NOT USED
C32	68 PF 100V AX CER
C33	.1 MF 25V AX CER
C34	1 MF 25/50V ELECT
C35	NOT USED
C36	NOT USED
C37	NOT USED
C38	NOT USED
C39	.1 MF 25V AX CER
C40	NOT USED
C41	.1 MF 25V AX CER
C42	1 MF 25/50V ELECT
C43	2 MF 25V ELECT
C44	NOT USED
C45,C46	.1 MF 25V AX CER
C47-C50	NOT USED
C51	10 PF 50V AX
R1	4.7K 1/4W 5%
R2-R5	3.3K 1/4W 5%
R6	160 OHM 1/4W 5%
R7	8.2K 1/4W 5%
R8	3.3K 1/4W 5%
R9	130K 1/4W 5%
R10	10K 1/4W 5%
R11	330K 1/4W 5%
R12	1K 1/4W 5%
R13	200K 1/4W 5%
R14	1.8K 1/4W 5%
R15	470K 1/4W 5%
R16	180K 1/4W 5%
R17,R18	910K 1/4W 5%
R19	1K 1/4W 5%
R20	820K 1/4W 5%
R21	390K 1/4W 5%
R22	200K 1/4W 5%
R23,R24	100K 1/4W 5%
R25,R26	1 MEG.
R27	1.2 MEG
R28	82K 1/4W 5%
R29	10K 1/4W 5%
R30	2K 1/4W 5%
R31	9.1K 1/4W 5%
R32	1 MEG.
R33	91K 1/4W 5%
R34,R35	10K 1/4W 5%
R36	1K 1/4W 5%
R37	NOT USED
R38	200K 1/4W 5%
R39,R40	910K 1/4W 5%
R41	200K 1/4W 5%
R42	1K 1/4W 5%
R43	820K 1/4W 5%
R44	390K 1/4W 5%
R45	200K 1/4W 5%
R46	100K 1/4W 5%
R47	2.7K 1/4W 5%
R48	2.4K 1/4W 5%
R49	1 MEG
R50	NOT USED
R51	750K 1/4W 5%
R52	NOT USED
R53	NOT USED

DESIGNATION NO.	DESCRIPTION
R54	82K 1/4W 5%
R55	10K 1/4W 5%
R56	2K 1/4W 5%
R57	NOT USED
R58	1K 1/4W 5%
R59,R60	1 MEG
R61	100K 1/4W 5%
R62	NOT USED
R63-R67	10K 1/4W 5%
R68	510 OHM 1/4W 5%
R69,R70	NOT USED
R71-R78	10K 1/4W 5%
R79	7.5K 1/4W 5%
R80	2K 1/4W 5%
R81	1K 1/4W 5%
R82	2.4K 1/4W 5%
R83	11K 1/4W 5%
R84-R87	2.2K 1/4W 5%
R88,R89	220 OHM 1/4W 5%
R90	220K 1/4W 5%
R91-R93	100K 1/4W 5%
RM1	4.7K 8 PIN SIP
CR1	1N4148 DIODE
CR2-CR4	NOT USED
CR5,CR6	1N4148 DIODE
CR7,CR8	NOT USED
CR9	1N4148 DIODE
CR10	1N4004 DIODE
CR11	1N4148 DIODE
LED 1	GREEN LED
Q1	2N3904 NPN TRANS.
Q2	NOT USED
Q3,Q4	2N4403 PNP TRANS.
Q5,Q6	2N3904 NPN TRANS.
U1	6802 CPU
U2-U5	EPROM KIT
U6	NOT USED
U7	6821 P.I.A.
U8	TMS 5200 SPEECH CHIP
U9	NOT USED
U10	AD 558
U11	6821 P.I.A.
U12	NOT USED
U13,U14	LM3900 QUAD OP-AMP
U15	74LS14 HEX SCHMIT INV.
U16	4049 HEX INV.
U17	74LS155 DEC/DMUIT
FB1,FB2	FERRITE BEAD
ICS U1	40 PIN DIP SOCKET
ICS U2-U6	24 PIN DIP SOCKET
ICS U7	40 PIN DIP SOCKET
ICS U8	28 PIN DIP SOCKET
ICS U9	NOT USED
ICS U10	16 PIN DIP SOCKET
ICS U11	40 PIN DIP SOCKET
ICS U12	NOT USED
J1	(17) KK156 AUTO INSERT PINS DELETE 11
J2	(9) KK156 AUTO INSERT PINS DELETE 3
JUMPER A-P, R-T, U-X, Z-FF	JUMPER TIN 22 AWG
JUMPER Q,U,Y	ZERO OHM JUMPER
Y1	3.58 MHZ CRYSTAL
SWI	P.C.B. MOUNT SWITCH
A080-91660-C000	SQUAWK & TALK P.C.B.



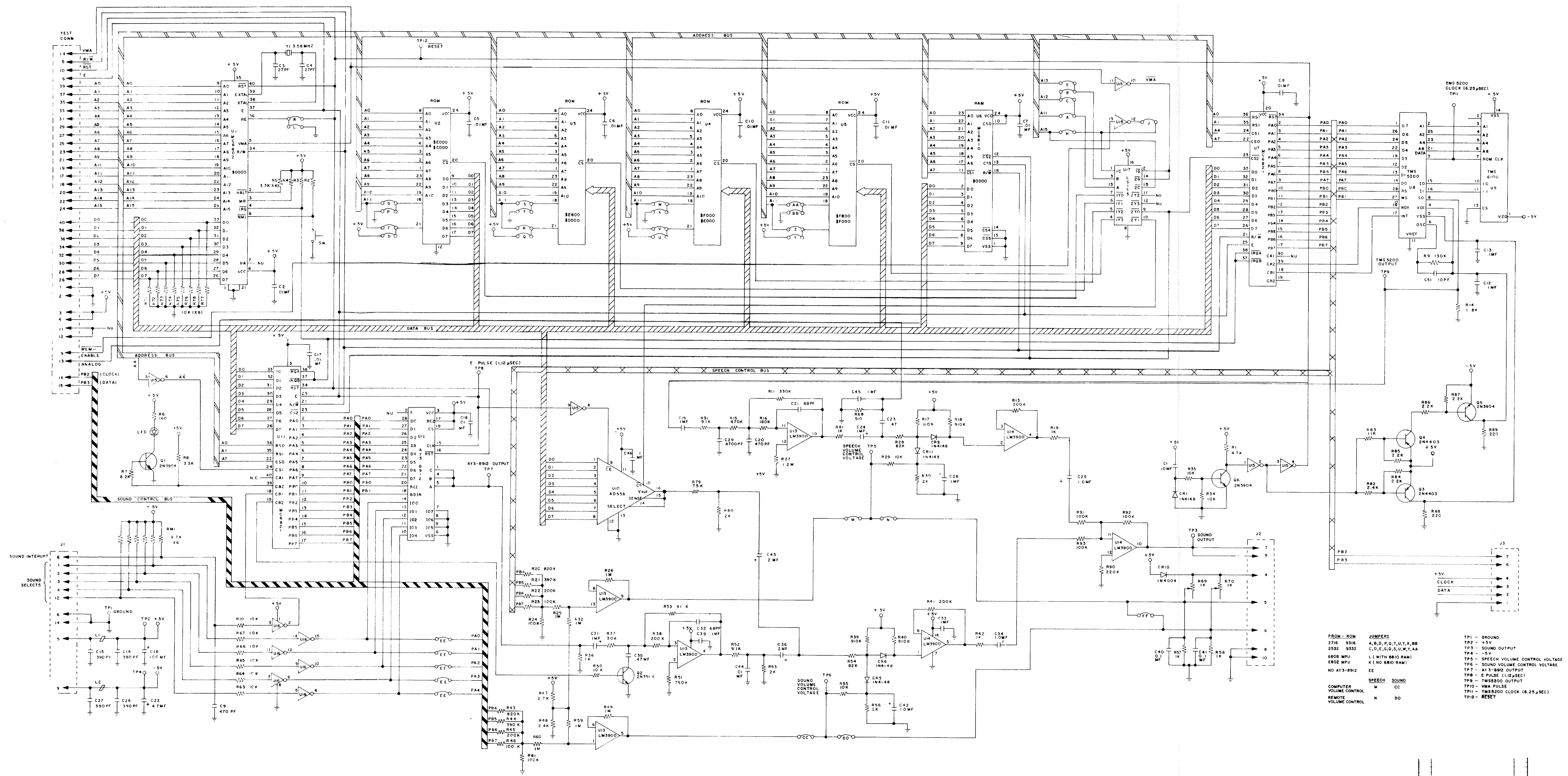
CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
10 PF 50V AX CER	1	C51	0360-00800-0038
27 PF 100V AX CER	2	C3,C4	0360-00800-0009
68 PF 100V AX CER	2	C21,C32	0360-00800-0010
390 PF 50V AX CER	4	C14,C15,C26,C27	0360-00800-3000
470 PF 50V AX CER	2	C9,C20	0360-00800-0002
.0047 UF	1	C29	0986-00800-3506
.01 MF 25/50V CER	9	C2,C5-C8,C10,C11 C17,C18	0360-00800-0005
.1 MF 25V AX CER	7	C12,C13,C33,C39, C41,C45,C46	0360-00800-0014
.47 MF 12/16V TANT	1	C23	0360-00800-0017
1 MF 25/50V ELECT	6	C19,C24,C25,C28, C34,C42	0360-00800-0018
2 MF 25V ELECT	1	C43	0360-00800-0019
4.7 MF 25V TANT	1	C22	0360-00800-0008
10 MF 25/35V TANT	1	C1	0986-00800-3505
100 MF 25/35V TANT	1	C16	0986-00800-3504
160 OHM 1/4W 5%	1	R6	0062-124B3-1XXX
220 OHM 1/4W 5%	2	R88,R89	0062-133B3-1XXX
510 OHM 1/4W 5%	1	R68	0062-159B3-1XXX
1K OHM 1/4W 5%	6	R12,R19,R36,R42 R58,R81	0062-179B3-1XXX
1.8K OHM 1/4W 5%	1	R14	0062-191B3-1XXX
2K OHM 1/4W 5%	3	R30,R56,R80	0062-193B3-1XXX
2.2K OHM 1/4W 5%	4	R84-R87	0062-195B3-1XXX
2.4K OHM 1/4W 5%	2	R48,R82	0062-197B3-1XXX
2.7K OHM 1/4W 5%	1	R47	0062-199B3-1XXX
3.3K OHM 1/4W 5%	5	R2-R5,R8	0062-203B3-1XXX
4.7K OHM 1/4W 5%	1	R1	0062-211B3-1XXX
7.5K OHM 1/4W 5%	1	R79	0062-221B3-1XXX
8.2K OHM 1/4W 5%	1	R7	0062-223B3-1XXX
9.1K OHM 1/4W 5%	1	R31	0062-225B3-1XXX
10K OHM 1/4W 5%	16	R10,R29,R55, R63-R67,R71-R78	0062-227B3-1XXX
11K OHM 1/4W 5%	1	R83	0062-229B3-1XXX
82K OHM 1/4W 5%	2	R28,R54	0062-271B3-1XXX
91K OHM 1/4W 5%	1	R33	0062-273B3-1XXX
100K 1/4W 5%	9	R23,R24,R34,R35, R46,R61,R91-R93	0062-275B3-1XXX
130K OHM 1/4W 5%	1	R9	0062-282B3-1XXX
180K OHM 1/4W 5%	1	R16	0062-287B3-1XXX
200K OHM 1/4W 5%	5	R13,R22,R38,R41 R45	0062-289B3-1XXX
220K OHM 1/4W 5%	1	R90	0062-291B3-1XXX
330K OHM 1/4W 5%	1	R11	0062-299B3-1XXX
390K OHM 1/4W 5%	2	R21,R44	0062-303B3-1XXX
470K OHM 1/4W 5%	1	R15	0062-307B3-1XXX
750K OHM 1/4W 5%	1	R51	0062-317B3-1XXX
820K OHM 1/4W 5%	2	R20,R43	0062-319B3-1XXX
910K OHM 1/4W 5%	4	R17,R18,R39,R40	0062-321B3-1XXX
1 MEG.	6	R25,R26,R32,R49 R59,R60	0062-323B3-1XXX
1.2 MEG.	1	R27	0062-327B3-1XXX

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
4.7K S.I.P.	1	RM1	0986-00804-5000
1N4004 DIODE	1	CR10	0360-00801-0002
1N4148 DIODE	5	CR1,CR5,CR6,CR9 CR11	0360-00801-0003
LED, GREEN	1	LED 1	0360-00804-0015
2N3904 NPN	3	Q1,Q5,Q6	0360-00802-0003
2N4403 PNP	2	Q3,Q4	0360-00802-0004
AD559 D.A.C.	1	U10	0360-00803-0033
LM3900 QUAD OP-AMP	2	U13,U14	0360-00803-0002
4049 HEX INV	1	U16	0360-00803-0011
74LS14 HEX SCHMIT INV.	1	U15	0360-00803-0037
74LS155 DEC DMULT	1	U17	0360-00803-0034
TMS 5200 SPEECH CHIP	1	U8	0360-00803-1013
MC 6802 CPU	1	U1	0986-00803-1012
MC 6821 P.I.A.	2	U7,U11	0360-00803-0017
FERRITE BEAD	2	FB1,FB2	0316-00804-0002
16 PIN DIP SOCKET	1	ICS U10	0360-00804-0026
24 PIN DIP SOCKET	5	ICS U2-U6	0360-00804-0017
28 PIN DIP SOCKET	1	ICS U82	0360-00804-0028
40 PIN DIP SOCKET	3	ICS U1,U7,U11	0360-00804-0018
KK156 AUTO INSERT PINS	26	J1,J2	0017-00033-0480
JUMPER TIN 22 AWG	31	A-P, R-T, U-X, Z-FF	0069-230XX-XBKX
ZERO OHM JUMPER	3	JUMPERS Q,U,Y	0360-00804-0023
3.58 MHZ CRYSTAL	1	Y1	0360-00804-0019
P.C.B. MOUNT SWITCH	1	SWI	0017-00032-0038
SQUAWK & TALK P.C.B.	1		A080-91660-C000

REVISIONS

PROJECT ENG: R. KOHAN		USED ON MCR II	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED	DRN. TB	MAT'L.	SQUAWK & TALK ASSEMBLY DWG A084-91660-C000
	CKD.	FINISH	PART NO. M051 - 00986 - C036
	DATE 08/12/83		



PROM – ROM		JUMPERS
2716	9316	A, B, D, P, Q, T, U, Y, X, BB
2532	9332	C, D, E, G, Q, S, U, W, Y, AA
6808 MPU		L (WITH 6810 RAM)
6802 MPU		K (NO 6810 RAM)
NO AY3-8912		EE

	SPEECH	SOUND
COMPUTER VOLUME CONTROL	M	CC
REMOTE VOLUME CONTROL	N	DD

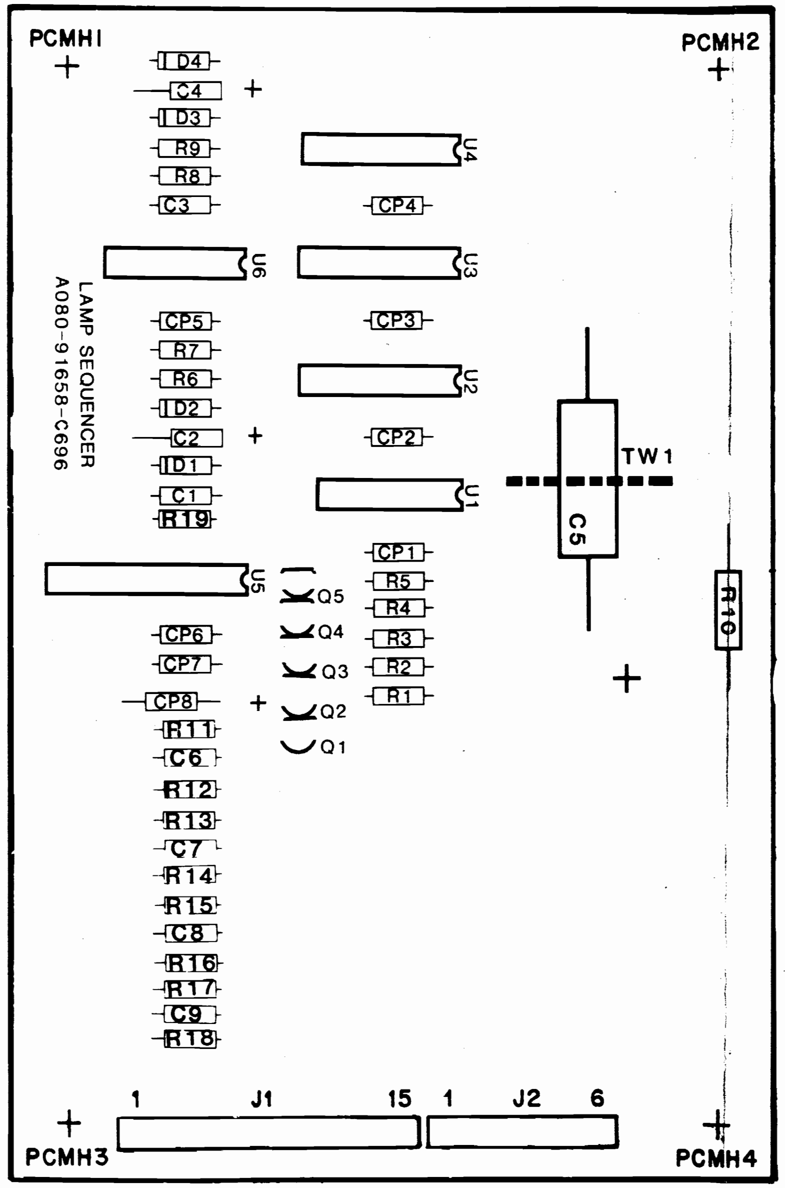
TP1 – GROUND
TP2 – +5V
TP3 – SOUND OUTPUT
TP4 – −5V
TP5 – SPEECH VOLUME CONTROL VOLTAGE
TP6 – SOUND VOLUME CONTROL VOLTAGE
TP7 – AY3-8912 OUTPUT
TP8 – E PULSE (1.12 μSEC)
TP9 – TMS5200 OUTPUT
TP10 – VMA PULSE
TP11 – TMS5200 CLOCK (6.25 μSEC)
TP12 – RESET

PROJECT ENG B. KOHAN		USED ON DISC OF TRON	Bally / MIDWAY MFG. CO.
	SCALE FULL	NO REQ'D 1 PER	
DRN BAK	SQUAWK & TALK MCR II		PART NO
CKD	A080-91660-C000		M051-00986-C037
DATE 7/21/83			

REVISIONS

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1	.01 MF 50V AX CER
C2	10 MF 25V AX TANT
C3	.01 MF 50V AX CER
C4	10 MF 25V AX TANT
C5	4700 MF 25V AX ELEC
C6-C9	100 PF 50V AX CER
CP1-CP7	.01 MF 50V AX CER
CP8	10 MF 16V AX ELEC
R1-R5	160 OHM 1/4W 5%
R6,R7	10K OHM 1/4W 5%
R8,R9	5.1K OHM 1/4W 5%
R10	2.2 OHM 1W 5%
R11	10K OHM 1/4W 5%
R12	100K OHM 1/4W 5%
R13	10K OHM 1/4W 5%
R14	100K OHM 1/4W 5%
R15	10K OHM 1/4W 5%
R16	100K OHM 1/4W 5%
R17	10K OHM 1/4W 5%
R18	100K OHM 1/4W 5%
R19	10K OHM 1/4W 5%
D1-D4	1N4148 DIODE
Q1-Q5	MPS 2222A TRANS
U1	7406
U2	BI-POLAR PROM
U3	74160
U4	74LS157
U5	74HC374
U6	556
ICS U2	IC SOCKET
J1	.025 SQ AUTO WIRE
J2	.045 SQ AUTO WIRE
PCMH1-PCMH4	SPACER #8
PC BOARD	A080-91658-C696



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF 50V AX CER	4	C6-C9	0639-00800-0003
.01 MF 50V AX CER	9	C1,C3,CP1-CP7	0628-00800-0100
10 MF 16V AX ELEC	1	CP8	0628-00800-0300
10 MF 25V AX TANT	2	C2,C4	0696-00800-0001
4700 MF 25V AX ELEC	1	C5	0383-00800-0006
2.2 OHM 1W 5%	1	R10	0062-034F3-1XXX
160 OHM 1/4W 5%	5	R1-R5	0062-124B3-1XXX
5.1 OHM 1/4W 5%	2	R8,R9	0062-213B3-1XXX
10K OHM 1/4W 5%	7	R6,R7,R11,R13, R15,R17,R19	0062-227B3-1XXX
100K OHM 1/4W 5%	4	R12,R14,R16,R18	0062-275B3-1XXX
1N4148 DIODE	4	D1-D4	0696-00801-0001
MPS 2222A TRANS	5	Q1-Q5	0639-00802-0001
556	1	U6	0696-00803-0003
7406	1	U1	0696-00803-0005
74LS157	1	U4	0696-00803-0004
74160	1	U3	0696-00803-0006
74HC374	1	U5	0696-00803-0001
BI-POLAR PROM	1	U2	0696-00803-0002
IC SOCKET 16 PIN	1	ICS U2	0986-00804-3700
.025 SQ AUTO WIRE	14	J1	0017-00033-0479
.045 SQ AUTO WIRE	5	J2	0017-00033-0480
SPACER #8	4	PCMH1-PCMH4	0017-00042-0320
PC BOARD	1		A080-91658-C696

REVISIONS

PROJECT ENG: J. BOYDSTON

USED ON RINGS

Bally / MIDWAY MFG. CO.
FRANKLIN PK. ILL.

DO NOT SCALE DWG.

HEAT TREAT

SCALE FULL

NO. REQ'D 1 PER

DIM. TOLERANCES UNLESS SPECIFIED
CONCENTRICITY T.I.R. .003
FRACTIONAL ±1/64
DECIMAL ±.005
HOLE DIA +.002 .000

DRN. TBB

CKD. JB

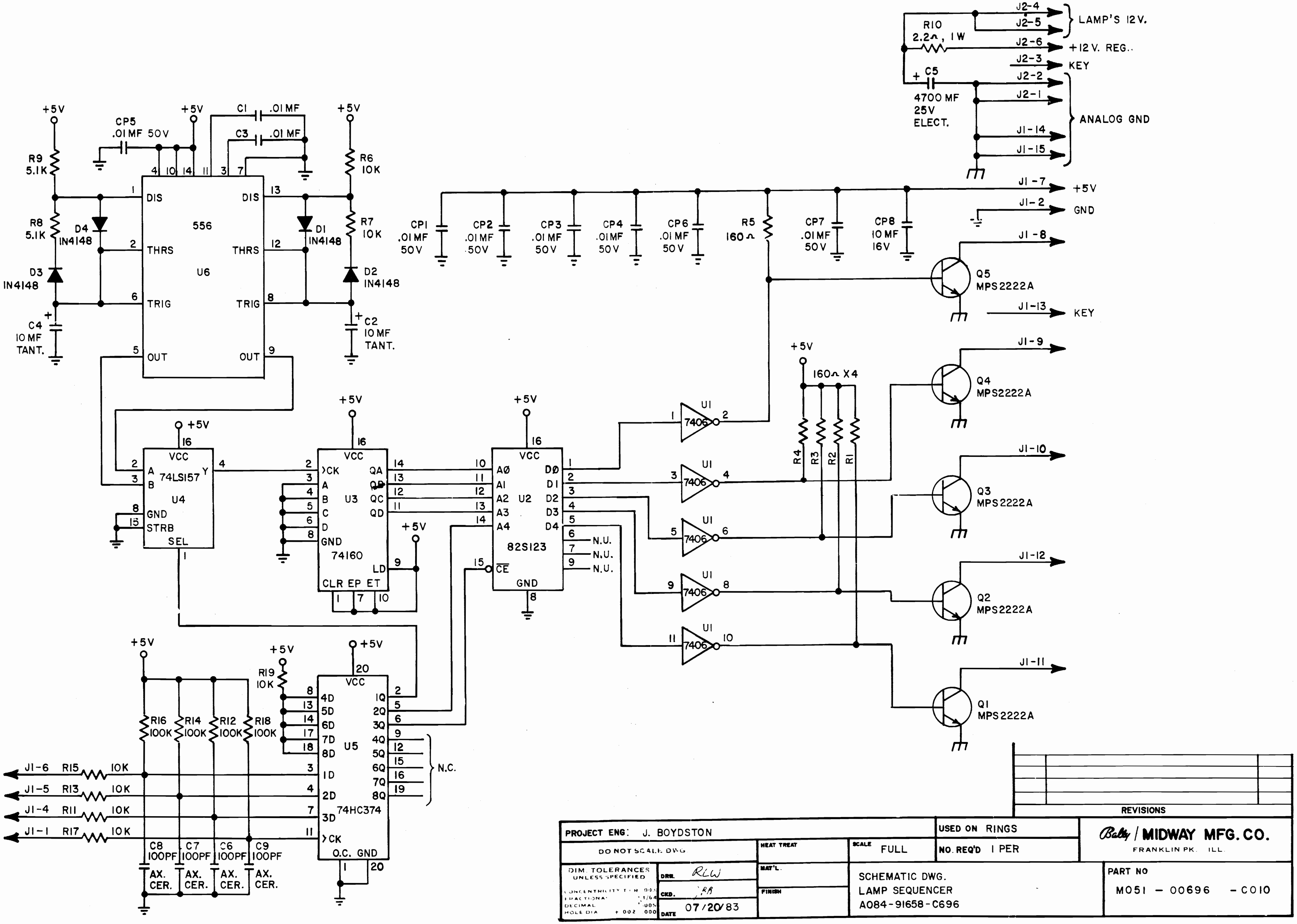
DATE 8/03/83

MAT'L.

FINISH

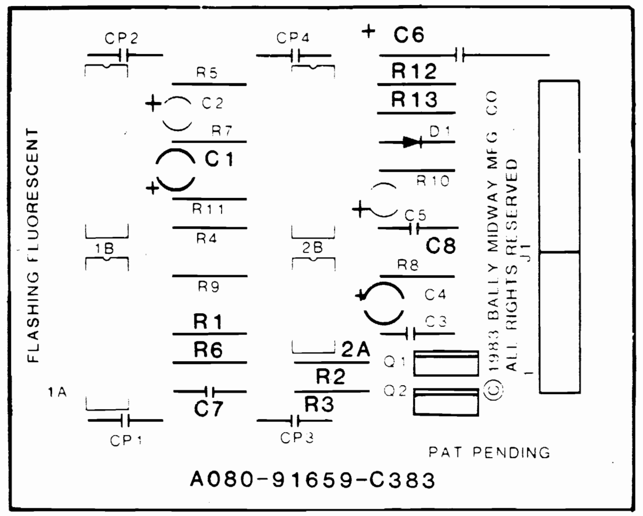
LAMP SEQUENCER
ASSEMBLY DWG
A080-91658-C696

PART NO.
M051 - 00696 - C009


J2-4
J2-5
LAMP'S 12V.
R10
2.2Ω, 1W
J2-6
+12V. REG.
J2-3
KEY
C5
4700 MF
25V
ELECT.
J2-2
J2-1
J1-14
J1-15
ANALOG GND
J1-7
+5V
J1-2
GND
CP1 .01 MF 50V
CP2 .01 MF 50V
CP3 .01 MF 50V
CP4 .01 MF 50V
CP6 .01 MF 50V
R5 160Ω
CP7 .01 MF 50V
CP8 10 MF 16V
J1-8
Q5 MPS2222A
J1-13
KEY
J1-9
Q4 MPS2222A
J1-10
Q3 MPS2222A
J1-12
Q2 MPS2222A
J1-11
Q1 MPS2222A
160Ω X4
R4 R3 R2 R1
U1 7406
R9 5.1K
R8 5.1K
D4 IN4148
D3 IN4148
C4 10 MF TANT.
CP5 .01 MF 50V
C1 .01 MF
C3 .01 MF
R6 10K
R7 10K
D1 IN4148
D2 IN4148
C2 10 MF TANT.
556
U6
DIS THRS TRIG OUT
74LS157
U4
VCC A B Y GND STRB SEL
74160
U3
CK A B C D GND QA QB QC QD LD CLR EP ET
82S123
U2
VCC A0 A1 A2 A3 A4 CE GND D0 D1 D2 D3 D4
N.U.
R19 10K
74HC374
U5
VCC 4D 5D 6D 7D 8D 1D 2D 3D CK O.C. GND 1Q 2Q 3Q 4Q 5Q 6Q 7Q 8Q
N.C.
R16 100K
R14 100K
R12 100K
R18 100K
J1-6 R15 10K
J1-5 R13 10K
J1-4 R11 10K
J1-1 R17 10K
C8 100PF AX. CER.
C7 100PF AX. CER.
C6 100PF AX. CER.
C9 100PF AX. CER.
REVISIONS
PROJECT ENG: J. BOYDSTON
DO NOT SCALE DWG
USED ON RINGS
NO. REQ'D 1 PER
SCALE FULL
HEAT TREAT
MAT'L.
FINISH
Bally / MIDWAY MFG. CO.
FRANKLIN PK. ILL.
DIM. TOLERANCES UNLESS SPECIFIED
DRN. RLW
CKD.
DATE 07/20/83
SCHEMATIC DWG.
LAMP SEQUENCER
A084-91658-C696
PART NO
M051 - 00696 - C010

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	1.0 MF TANT
C3	0.1 MF AX CER
C4	1.0 MF TANT
C5	10 MF TANT
C6	100 MF TANT
C7,C8	100 PF AX CER
CP1-CP4	0.1 MF AX CER
R1	10K OHM 1/4 5%
R2,R3	200 OHM 1/4 5%
R4	100K OHM 1/4 5%
R5	15K OHM 1/4 5%
R6	100K OHM 1/4 5%
R7	1K OHM 1/4 5%
R8,R9	56K OHM 1/4 5%
R10	470K OHM 1/4 5%
R11	1K OHM 1/4 5%
R12	100K OHM 1/4 5%
R13	10K OHM 1/4W 5%
D1	1N4148 DIODE
Q1,Q2	TIP 110 NPN DARLING XSTR
1A	74LS74
2A	555 TIMER
1B	74123
2B	4050
J1	.045 SQ AUTO WIRE
	FLASHING FLUOR. P.C.B.

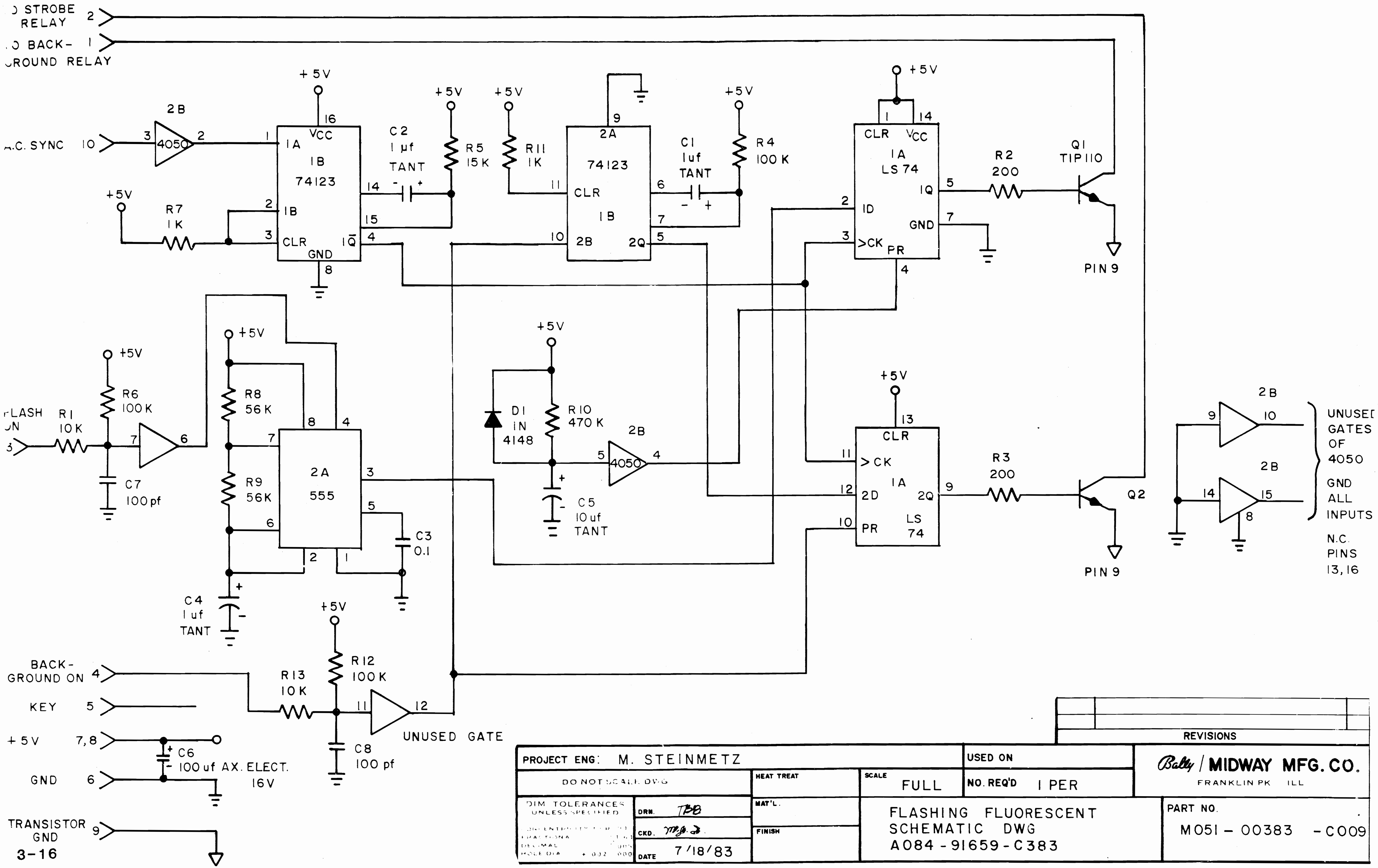


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
100 PF AX CER	2	C7,C8	0383-00800-0001
0.1 MF AX CER	5	CP1-CP4,C3	0383-00800-0002
1.0 MF TANT	3	C1,C2,C4	0383-00800-0003
10 MF TANT	1	C5	0383-00800-0004
100 MF AX ELEC	1	C6	0383-00800-0005
200 OHM 1/4W 5%	2	R2,R3	0062-130B3-1XXX
1K OHM 1/4W 5%	2	R7,R11	0062-179B3-1XXX
10K OHM 1/4W 5%	2	R1,R13	0062-227B3-1XXX
15K OHM 1/4W 5%	1	R5	0062-235B3-1XXX
56K OHM 1/4W 5%	2	R8,R9	0062-263B3-1XXX
100K OHM 1/4W 5%	3	R4,R6,R12	0062-275B3-1XXX
470K OHM 1/4W 5%	1	R10	0062-307B3-1XXX
1N4148 DIODE	1	D1	0383-00801-0001
TIP 110 XSTR	2	Q1,Q2	0383-00802-0001
74123	1	1B	0383-00803-0019
4050	1	2B	0383-00803-0020
555	1	2A	0383-00803-0021
74LS74	1	1A	0383-00803-0022
.045 SQ AUTO WIRE	9	J1	0017-00033-0480
FLASHING FLUOR.	1		A080-91659-C383

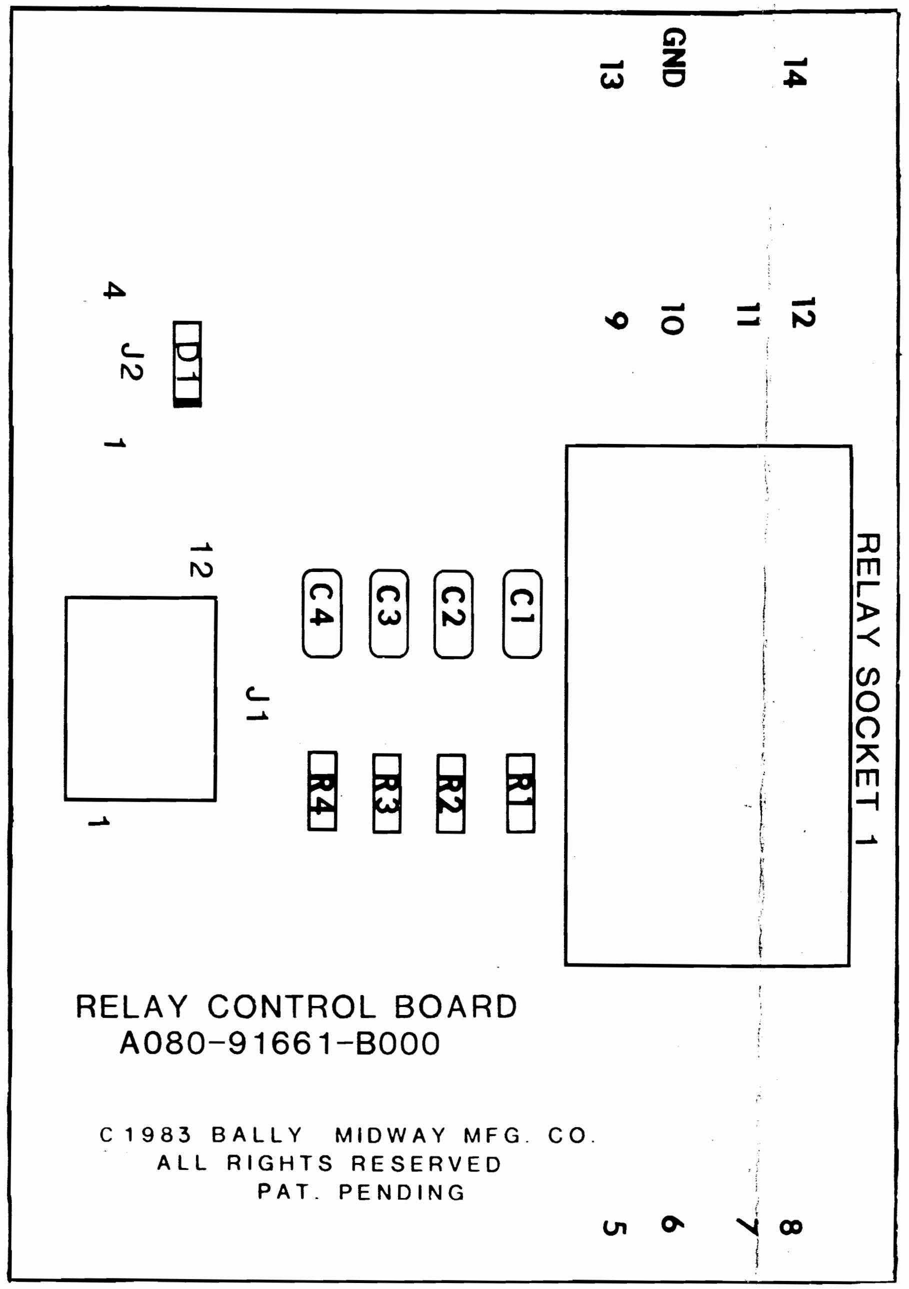
REVISIONS

PROJECT ENG: M. STEINMETZ
DO NOT SCALE DWG
DIM TOLERANCES UNLESS SPECIFIED
DRN. RLW
CKD. MJD
DATE 8/18/83
HEAT TREAT
MAT'L
FINISH
SCALE FULL
USED ON
NO. REQ'D 1 PER
Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL
FLASHING FLUORESCENT ASSEMBLY DWG.
A080-91659-C383
PART NO. M051-00383-C008



STROBE RELAY 2
BACK- GROUND RELAY 1
A.C. SYNC 10
2B 4050
+5V
16 VCC
1A 1B 74123
C2 1 µf TANT
R5 15K
R11 1K
74123 2A 1B CLR 2B 2Q
C1 1uf TANT
R4 100K
R7 1K
CLR 1Q GND
CLR VCC 1A LS74 1D >CK PR 1Q GND
R2 200
Q1 TIP110
PIN 9
FLASH ON 3
R1 10K
R6 100K
C7 100pf
R8 56K
R9 56K
2A 555
C3 0.1
C4 1uf TANT
D1 IN 4148
R10 470K
2B 4050
C5 10uf TANT
CLR >CK 1A 2D 2Q PR LS 74
R3 200
Q2
PIN 9
UNUSED GATES OF 4050
GND ALL INPUTS
N.C. PINS 13,16
BACK- GROUND ON 4
KEY 5
+5V 7,8
GND 6
TRANSISTOR GND 9
C6 100uf AX. ELECT. 16V
R13 10K
R12 100K
C8 100 pf
UNUSED GATE
REVISIONS
PROJECT ENG: M. STEINMETZ
DO NOT SCALE DWG
DIM TOLERANCES UNLESS SPECIFIED
DRN. TBB
CKD.
DATE 7/18/83
HEAT TREAT
MAT'L.
FINISH
SCALE FULL
USED ON
NO. REQ'D 1 PER
Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL
FLASHING FLUORESCENT SCHEMATIC DWG
A084-91659-C383
PART NO.
M051 - 00383 - C009

DESIGNATION NO.	DESCRIPTION
C1-C4	0.1 MF 400V RAD
R1-R4	10 OHM 1/2W 5%
D1	1N4004
RE1	RELAY
RES1	RELAY SOCKET
J1	12 PIN M-N-L
J2	.045 SQ AUTO WIRE
1-12	WIRE & SPADE LUG
13,14	WIRE & SPADE LUG
GND	WIRE & SPADE LUG
	RELAY CONTROL P.C.B.



DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
0.1 MF 400V RAD	4	C1-C4	0383-00800-0007
10 OHM 1/2W 5%	4	R1-R4	0062-051D3-1XXX
1N4004	1	D1	0383-00801-0002
12 PIN M-N-L	1	J1	0017-00021-0964
.045 SQ AUTO WIRE	3	J2	0017-00033-0480
RELAY	1	RE1	0383-00804-0001
RELAY SOCKET	1	RES1	0383-00804-0002
WIRE & SPADE LUG	8	1-12	A089-00034-0044
WIRE & SPADE LUG	2	13,14	A084-00034-0045
WIRE & SPADE LUG	1	GND	A084-00034-0046
RELAY CONTROL P.C.B.	1		A080-91661-B000

REVISIONS

PROJECT ENG: M. STEINMETZ

USED ON DISC OF TRON

Bally / MIDWAY MFG. CO.
FRANKLIN PK. ILL.

DO NOT SCALE DWG.

HEAT TREAT

SCALE FULL

NO. REQ'D 1 PER

DIM. TOLERANCES UNLESS SPECIFIED

DRN. RLW

CKD. M.J.S.

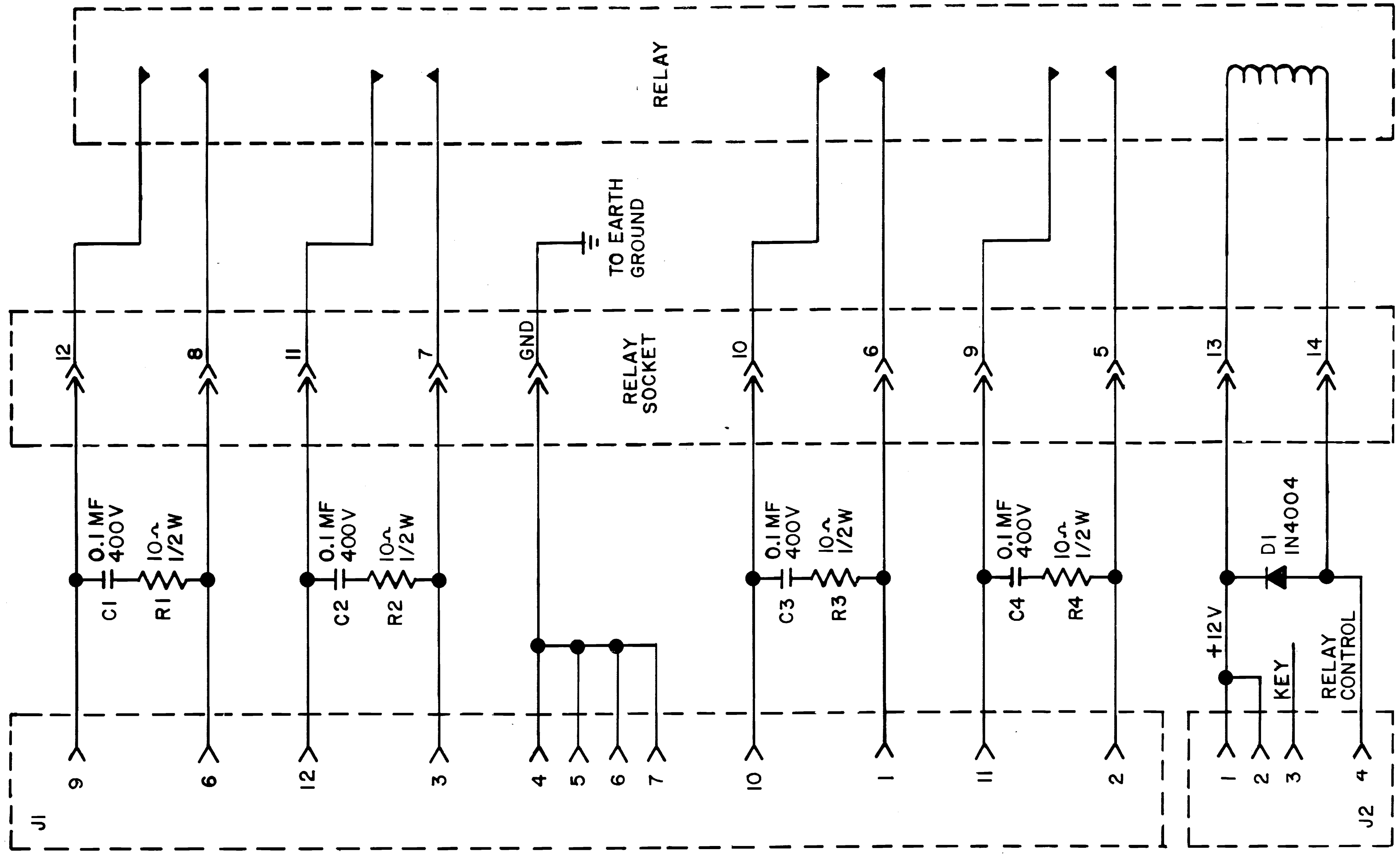
DATE 7/26/83

MAT'L.

FINISH

RELAY CONTROL BOARD
ASSEMBLY DWG.
A080-91661-B000

PART NO.
M051-00114-B088

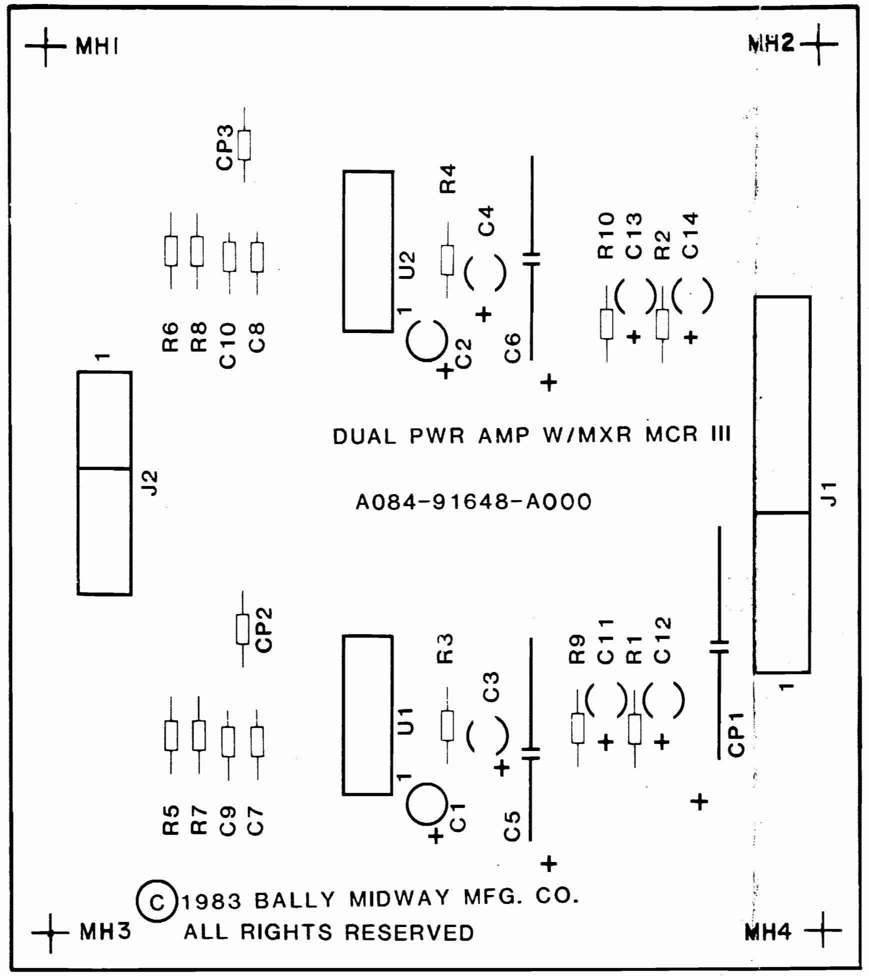


REVISIONS

PROJECT ENG: M. STEINMETZ	USED ON DISC OF TRON	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL.
DO NOT SCALE DWG	NO. REQ'D 1 PER	
DIM TOLERANCES UNLESS SPECIFIED	SCHEMATIC DWG. RELAY CONTROL BOARD A080-91661-B000	PART NO M051 – 00114 – B089
DRN. RLW	HEAT TREAT	SCALE
CKD. M.J.D.	MAT'L.	
DATE 07/20/83	FINISH	

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1,C2	4.7 MF 25V RD TANT.
C3,C4	22 MF 6V RD TANT.
C5,C6	470 MF 6V AX ELECT.
C7-C10	.1 MF 50V AX CR.
C11-C14	4.7 MF 25V RD TANT
CP1	220 MF 25V AX ELECT.
CP2,CP3	.1 MF 50V AX CR.
R1,R2	2.7K OHM 1/4W 5% CRBN.
R3,R4	27 OHM 1/4W 5% CRBN.
R5-R8	1 OHM 1/2W 5% CRBN.
R9,R10	2.7K OHM 1/4W 5%
U1,U2	MB3730
J1	.045 SQ. PIN
J2	.045 SQ. PIN
HSU1,U2	HEATSINK ASSY
MH1-MH4	1/4" SPACER FOR #8 SCREW
DUAL PWR AMP W/MXR	A080-91648-A000

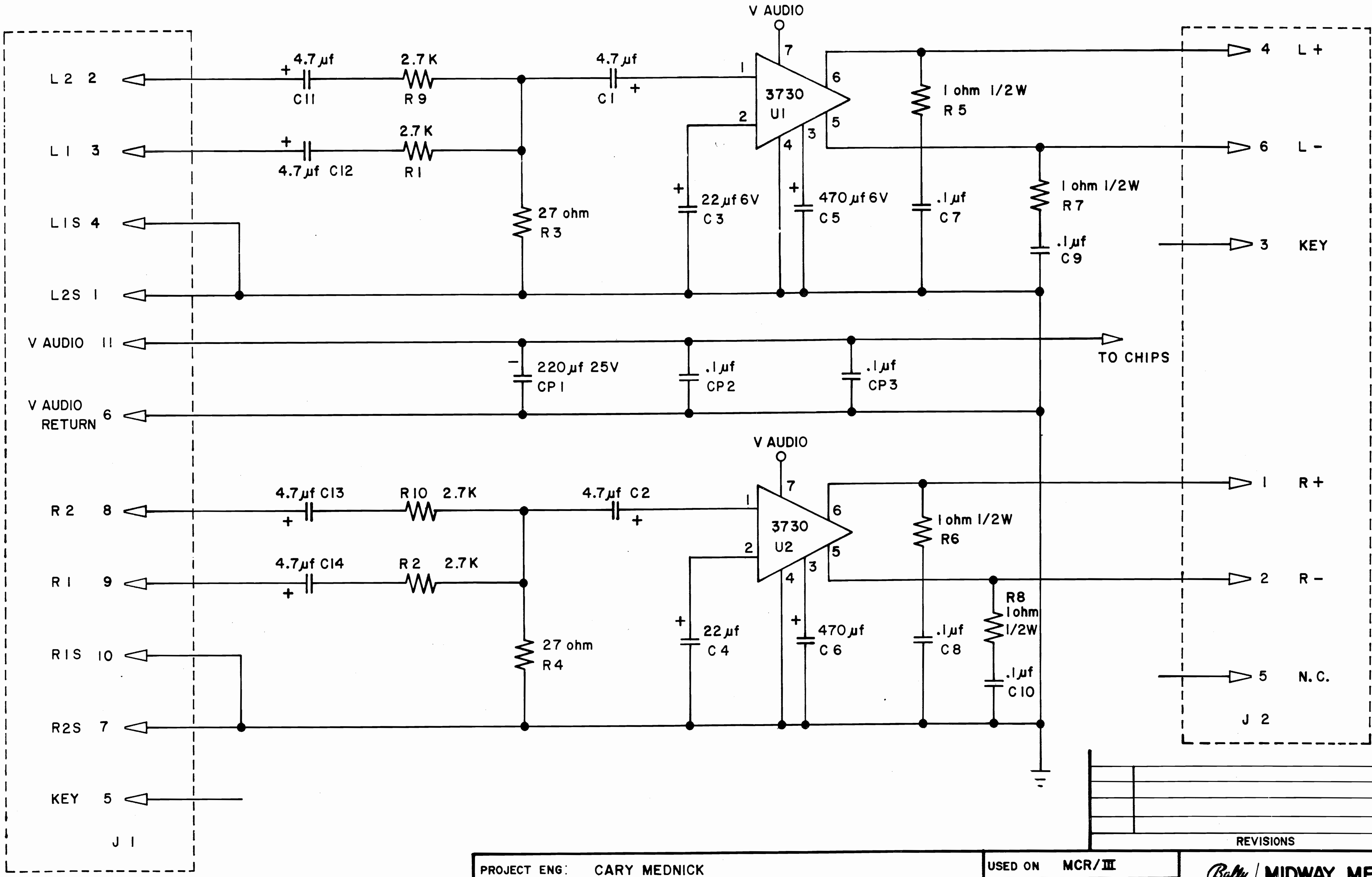


CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
.1 MF 50V AX CR.	6	C7-C10,CP2,CP3	0986-00800-1100
4.7 MF 25V RD TANT.	6	C1,C2,C11-C14	0986-00800-3100
22 MF 6V RD TANT	2	C3,C4	0986-00800-1600
220 MF 25V AX ELECT.	1	CP1	0986-00800-3200
470 MF 6V AX ELECT.	2	C5,C6	0986-00800-1700
1 OHM 1/2W 5%	4	R5-R8	0062-026D3-1XXX
27 OHM 1/4W 5%	2	R3,R4	0062-068B3-1XXX
2.7K 1/4W 5%	4	R1,R2,R9,R10	0062-199B3-1XXX
MB3730	2	U1,U2	0066-188XX-XX4X
.045 SQ. PIN	5	J2	0017-00033-0480
.045 SQ. PIN	10	J1	0017-00033-0480
HEATSINK ASSY	2	HSU1,HSU2	A986-00010-0000
1/4" SPACER FOR #8 SCREW	4	MH1-MH4	0017-00042-0320
DUAL PWR AMP W/MXR	1		A080-91648-A000

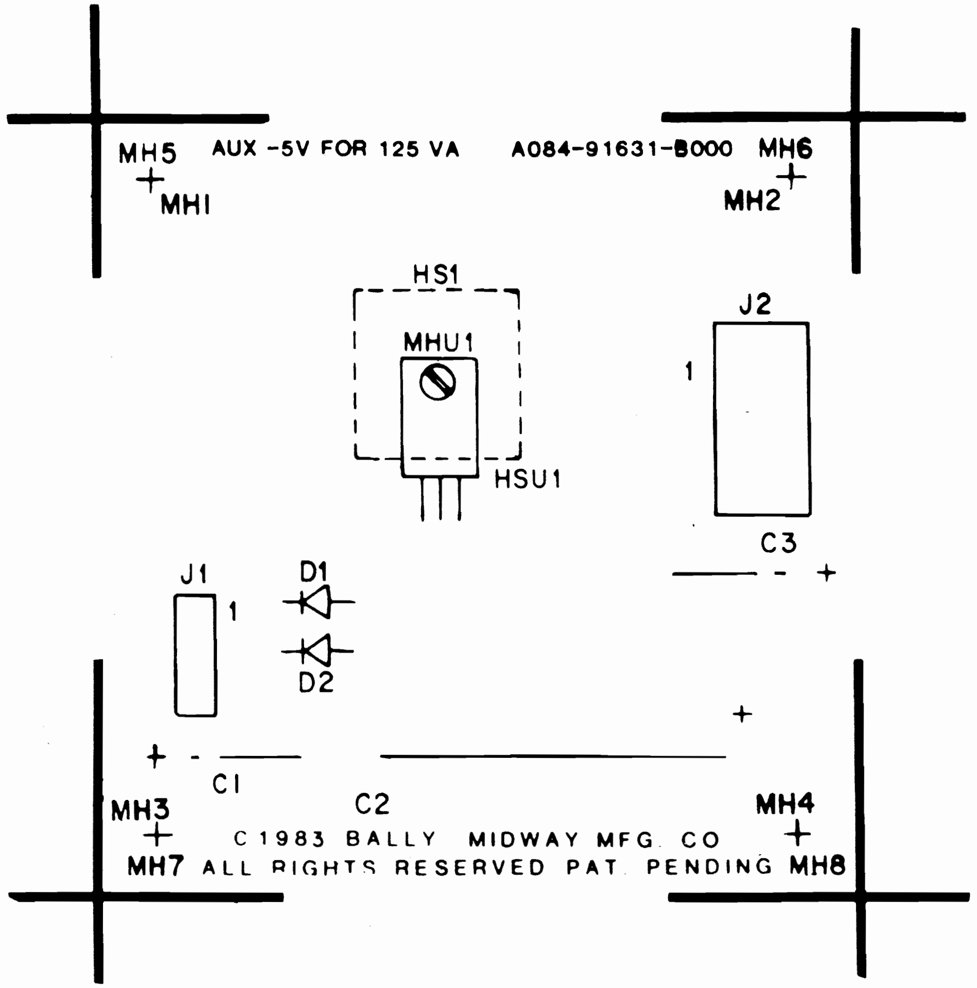
REVISIONS

PROJECT ENG: C. MEDNICK		USED ON MCR III	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER
DIM TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L	ASSEMBLY DWG. DUAL POWER AMP W/ MIXER MCR III A080-91648-A000
	CKD.	FINISH	PART NO. M051 - 00304 - A012
	DATE 07/05/83		



REVISIONS

PROJECT ENG: CARY MEDNICK		USED ON MCR/III	Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.
DO NOT SCALE DWG	HEAT TREAT	SCALE	NO. REQ'D 1 PER	
DIM. TOLERANCES UNLESS SPECIFIED: CONCENTRICITY T.I.R. .003; FRACTIONAL ± 1/64; DECIMAL ± .005; HOLE DIA + .002 .000	DRN. F.A.K.	MAT'L.	SCHEMATIC DRAWING DUAL PWR AMP W/MXR MCR III A084-91648-A000	PART NO. M051 - 00304 - A013
	CKD.	FINISH		
	DATE 6/30/83			



CROSS REFERENCE LIST

DESCRIPTION	QTY	DESIGNATION NO.	PART NOS.
0.1 MF CER.	1	C3	0945-00816-1905
2.2 MF TANT.	1	C1	0945-00816-1904
2200 MF ELECT.	1	C2	0945-00816-1903
1N4004 DIODE	2	D1,D2	0636-00801-0300
79M05 VOLTAGE REGULATOR	1	HSU1	0945-00813-0601
HEATSINK, CLIP ON	1	HS1	0068-065XX-ABAX
SCREW	1	MHU1	0017-00101-0518
NUT	1		0017-00103-0003
WASHER	1		0017-00104-0003
KK156 4 PIN CONN. OMIT PIN 3	3	J1	0017-00033-0480
AMPHENOL 3 PIN CONNECTOR	1	J2	0017-00021-0443
SPACER	4	MH1-MH4	0017-00042-0328
AUX.-5V FOR 125VA P.C. BOARD	1		A080-91631-B000

DESIGNATION LIST

DESIGNATION NO.	DESCRIPTION
C1	2.2 MF TANT.
C2	2200 MF 25V ELECT.
C3	.1 MF CER.
D1, D2	1N4004 DIODE
HSU1	79M05 VOLTAGE REGULATOR
HS1	HEATSINK, CLIP ON
MHU1	(1) SCREW (1) NUT (1) WASHER
J1	KK156 4 PIN CONN.
J2	AMPHENOL 3 PIN CONNECTOR
MH1-4	SPACER
A080-91631-B000	AUX.-5V FOR 125VA P.C. BOARD

REVISIONS

PROJECT ENG: J. JARON

USED ON PROF. PAC.

Bally / MIDWAY MFG. CO.
FRANKLIN PK ILL

DO NOT SCALE DWG

HEAT TREAT

SCALE FULL

NO. REQ'D 1 PER

DIM. TOLERANCES UNLESS SPECIFIED

DRN.

CKD.

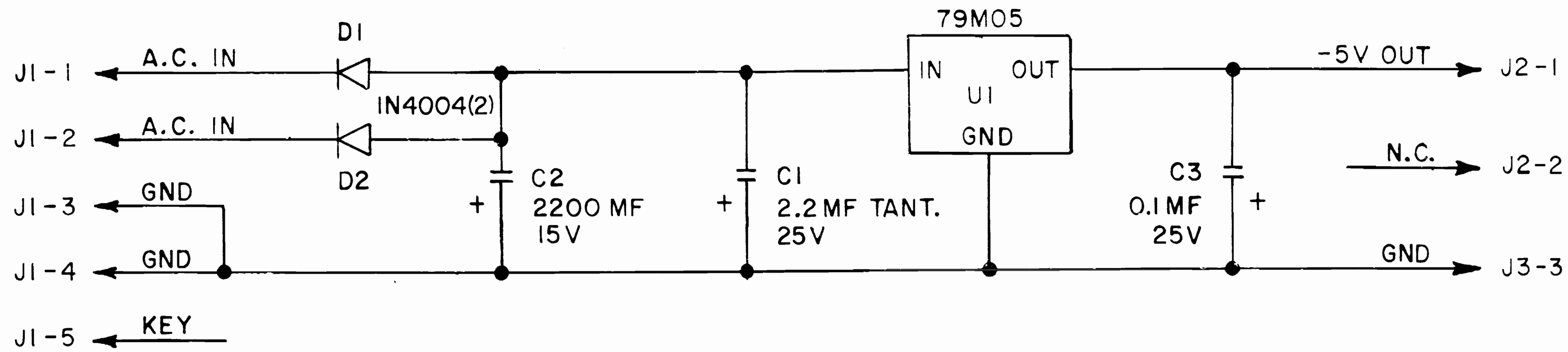
DATE 05/18/83

MAT'L

FINISH

ASSEMBLY DWG.
AUX. -5V FOR 125VA
A084 - 91631 - B000

PART NO
M051 - 00114 - A074



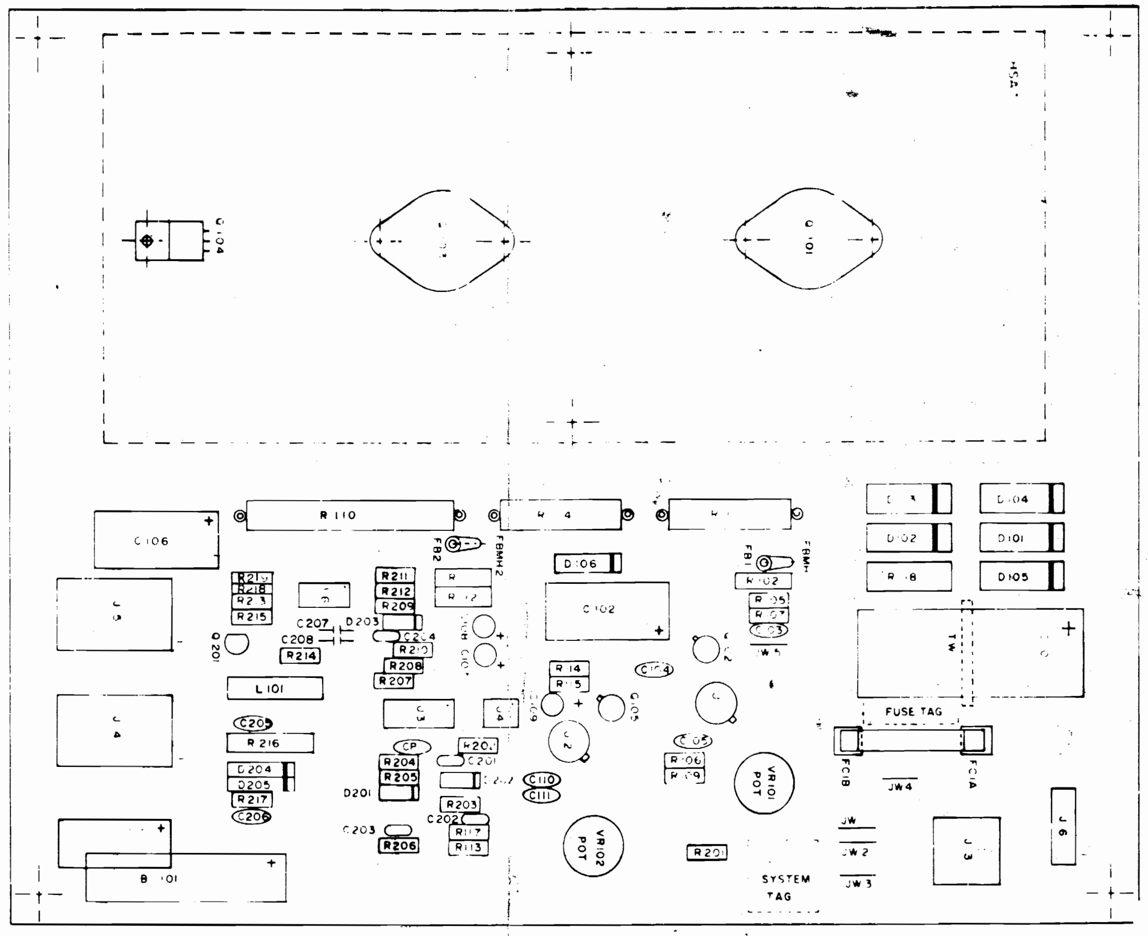
REVISIONS			

PROJECT ENG: J. JARON			USED ON	Bally / MIDWAY MFG. CO. FRANKLIN PK ILL
DO NOT SCALE DWG	HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	
DIM TOLERANCES UNLESS SPECIFIED	DRN. RLW	MAT'L.	SCHEMATIC DWG. AUX -5V FOR 125VA A084-91631-A000	PART NO M051 - 00114 - A075
	CKD.	FINISH		
	DATE 05/04/83			

DESIGNATION LIST

DESIGNATION	DESCRIPTION
C101	4700uf AX ELECT
C102	470uf AX ELECT
C103	.1uf AX CER
C104	.1uf AX CER
C105	47pf AX CER
C106	470uf AX. ELECT.
C107	100uf RD TANT
C108	1uf RD. TANT.
C109	4.7uf RD TANT
C110	.1uf AX CER.
C111	.1uf AX. CER.
C201	.01uf MYLAR
C202	.033uf MYLAR
C203	.01uf MYLAR
C204	.047uf MYLAR
C205	820pf AX. CER
C206 C208	.01uf AX. CER.
C207	0.082uf MYLAR
CP1	1uf AX CER.
R101	18ohm 5W W/RES SPACER
R102	68ohm 1/2W 5%
R104	10ohm 5W W/RES SPACER
R105	27ohm 1/4W 5%
R106	270ohm 1/4W 5%
R107	6.2K 1/4W 5%
R109	1K 1/4W 5%
R110	16ohm 15W W/RES SPACER
R111	6.8ohm 1/2W5%
R112	68ohm 1/2W 5%
R113	1.2K 1/4W 5%
R114	47ohm 1/4W 5%
R115	160ohm 1/4W 5%

DESIGNATION	DESCRIPTION
R117	560ohm 1/4W 5%
R118	150ohm 2W
R201	270ohm 1/4W 5%
R202	1.2K 1/4W 5%
R203	1.1M 1/4W 5%
R204	3.3M 1/4W 5%
R205	10M 1/4W 5%
R206	100K 1/4W 5%
R207	33K 1/4W 5%
R208	2M 1/4W 5%
R209	1M 1/4W 5%
R210	1.2M 1/4W 5%
R211	75K 1/4W 5%
R212	75K 1/4W 5%
R213	220K 1/4W 5%
R214	3.9K 1/4W 5%
R215	1.2K 1/4W 5%
R216	82ohm 1W 10%
R217	270ohm 1/4W 5%
R218	110K 1/4W 5%
R219	68ohm 1/2W5%
VR101,102	100ohm POT
D101	A15F
D102	A15F
D103	A15F
D104	A15F
D105	A15F
D106	1N4001
D201	1N4148
D202	1N4148
D203	1N4148
D204	1N4001
D205	1N4001
Q102	2N2905
Q105	2N2905
Q201	2N4401
U1	LM305 REG
U2	LM305 REG
U3	LM3900
U4	4N28
U6	555
L101	22uH INDUCTOR
B101	BATTERY 3.6VDC 60DEG C
F1	3/8A S BLO FUSE
FC1A,1B	FUSE CLIP
FB1,2	FERRITE BEAD
TW1	TIE WRAP
J3	9PIN P.C. MOUNT CONN (MALE)
J4	15PIN P.C. MOUNT CONN (FEMALE)
J5	15PIN P.C. MOUNT CONN (MALE)
J6	3PIN P.C. MOUNT CONN (MALE)
LB1	FUSE TAG
LB2	SYSTEM TAG
HSA1	HEAT SINK ASS'Y 1
MHHSA1	MOUNTING HARD WARE (HEAT SINK) 2 SCREW 4 WASHER 2 HEXNUT
JW1-5	JUMPER WIRE
FBMH1,2	FERRITE BEAD MOUNTING HARDWARE

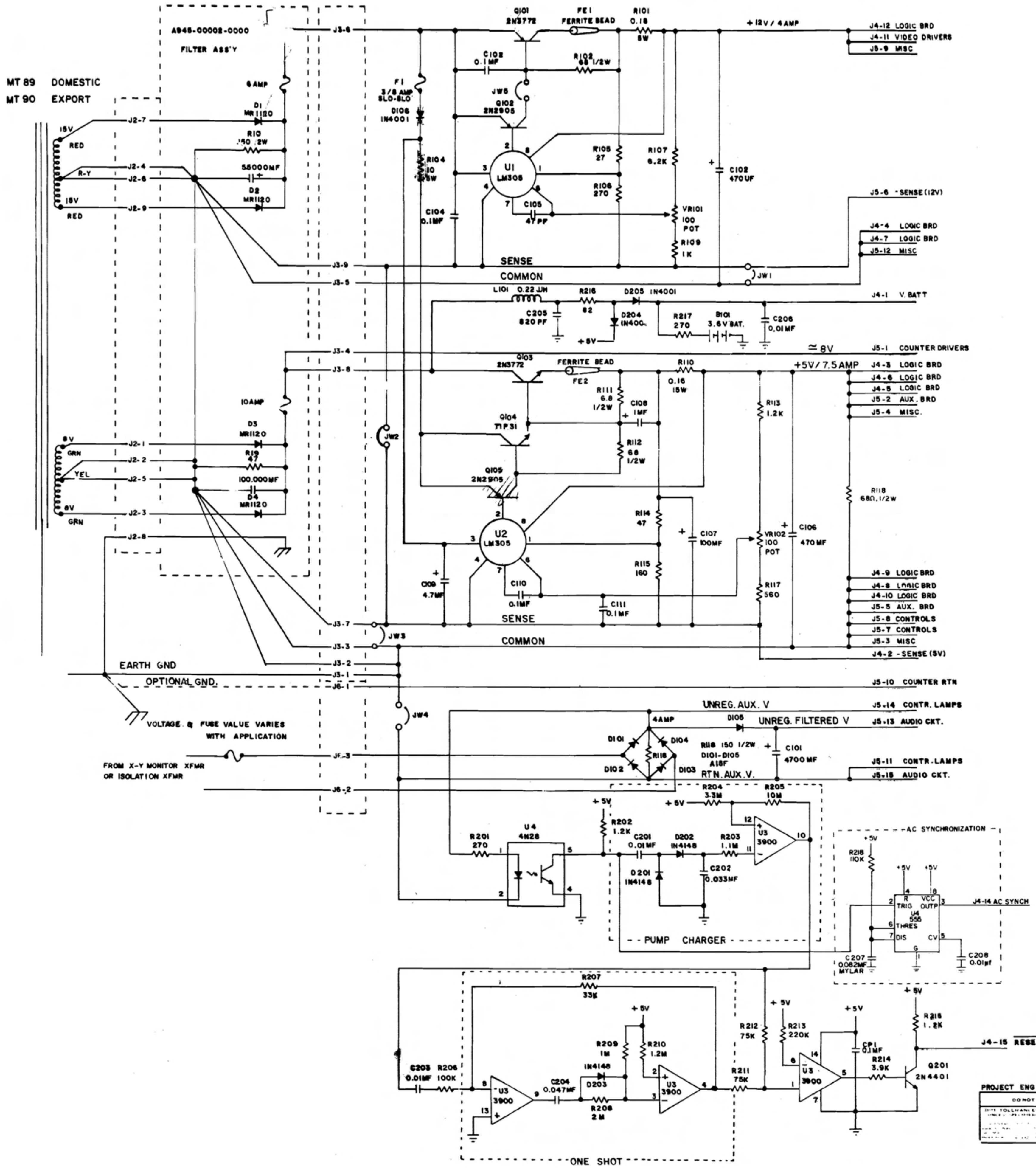


PROJ. ENG.: L. DEKKER

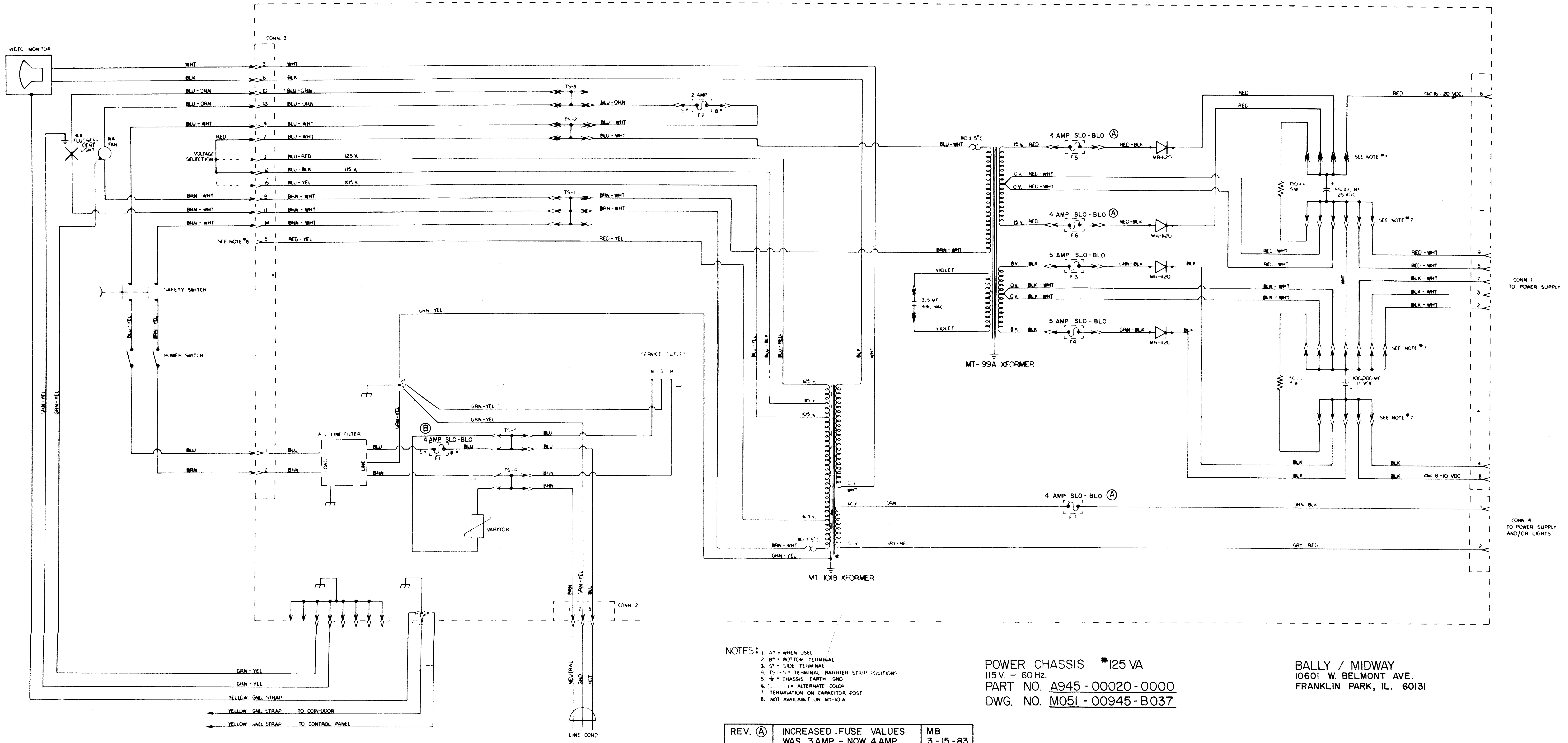
DO NOT SCALE DWG.	FULL	NO. REQ'D 1 PER.	MIDWAY MFG. CO. FRANKLIN PK. ILL
5/14/82	ASSEMBLY DRAWING 125VA PWRSPY. A082-90412-0000		M051-00945-B006

CROSS REFFERENCE LIST

DESCRIPTION	Q'ty	DESIGNATION	PART
47pf AX CER	1	C105	0945 00811 0100
820pf AX CER	1	C205	0945 00816 0400
.01uf AX CER	2	C206,208	0945 00816 0100
.01uf MYLAR	2	C201,203	0945 00816 0200
.033uf MYLAR	1	C202	0945 00816 0500
.047uf MYLAR	1	C204	0945 00816 0300
0.082uf AX CER	1	C207	0945-00816-1900
.1uf AX CER	5	C103,104,110,111, CP1	0945 00811 0200
1uf RAD TANT	1	C108	0945 00811 0300
4.7uf RAD TANT	1	C109	0945 00811 0400
100uf RAD TANT	1	C107	0945 00811 0500
470uf AX ELECT	2	C102,106	0945-00816-0600
4700uf AX ELECT	1	C101	0945 00811 0700
16ohm 15W 5%	1	R110	0945 00815 0100
18ohm 5W 5%	1	R101	0945 00815 0200
6.8ohm 1/2W 5%	1	R111	0062 047D3 1XXX
10ohm 5W 5%	1	R104	0945 00812 0100
27ohm 1/4W 5%	1	R105	0062-068B3-1XXX
47ohm 1/4W 5%	1	R114	0062 086B3 1XXX
68ohm 1/2W 5%	3	R102,112,219	0062 098D3 1XXX
82ohm 1W 10%	1	R216	0062-104F5 1XXX
150ohm 2W 5%	1	R118	0945 00812 0200
160ohm 1/4W 5%	1	R115	0062 124B3 1XXX
270ohm 1/4W 5%	3	R106,201,217	0062 138B3 1XXX
560ohm 1/4W 5%	1	R117	0062 162B3 1XXX
1K 1/4W 5%	1	R109	0062 179B3 1XXX
1.2K 1/4W 5%	3	R113,202,215	0062 183B3 1XXX
3.9K 1/4W 5%	1	R214	0062 207B3-1XXX
6.2K 1/4W 5%	1	R107	0062 217B3 1XXX
33K 1/4W 5%	1	R207	0062 251B3 1XXX
75K 1/4W 5%	2	R211,212	0062 269B3 1XXX
100K 1/4W 5%	1	R206	0062 275B3 1XXX
110K 1/4W 5%	1	R218	0062-277B3-1XXX
220K 1/4W 5%	1	R213	0062 291B3 1XXX
1M 1/4W 5%	1	R209	0062 323B3 1XXX
1.1M 1/4W 5%	1	R203	0062 325B3 1XXX
1.2M 1/4W 5%	1	R210	0062-327B3 1XXX
2M 1/4W 5%	1	R208	0062 337B3 1XXX
3.3M 1/4W 5%	1	R204	0062 347B3 1XXX
10M 1/4W 5%	1	R205	0062 371B3 1XXX
100ohm POT	2	VR101,102	0945 00814 0000
LM305 REG	2	U1,2	0945-00813-0100
555	1	U6	0929-00810-4500
LM3900	1	U3	0945-00813-0200
4N28	1	U4	0945-00813-0300
A15F RECTIFIER	5	D101-105	0945 00804 0200
1N4001	3	D106,204,205	0945 00804 0300
1N4148	3	D201-203	0945 00804 0500
2N2905	2	Q102,105	0945 00808 0300
2N4401	1	Q201	0945 00804-0400
BATTERY 3.6VDC 60DEG C	1	B101	0017-00003-0377
FUSE 3/8A S BLO	1	F1	0945 00808-0400
FUSE CLIP	2	FC1A,1B	0017-00003 0214
TIE WRAP	1	TW1	0945-00814-0300
FERRITE BEAD	2	FB1,2	0017-00009-0225
FERRITE MOUNTING HDW	2	FBMH1,2	0017-00033 0139
22uH INDUCTOR	1	L101	0945 00814-0200
FUSE TAG	1		M051-00945-A004
SYSTEM TAG	1		M051 00945-A009
P.C.B.	1		A080-90412-0000
HEAT SINK ASS'Y (SEE HS ASS'Y DRAWING "** NOTE")	1	HSA1	A945-00008-0000
** 4-40 X 10 SLT RND	2	MH HSA 1A, 2A.	0017-00101-00727
** 4-40 HEX NUT	2	MH HSA 1E, 2E.	0017-00103-0002
** WSH 4-120-.250-018	4	MH HSA 1B,1D MH HSA 2B, 2D	0017-00104-0071
3PIN P.C. MOUNT CONN (MALE)	1	J6	0017-00021-0443
9PIN P.C. MOUNT CONN (MALE)	1	J3	0017-00021-0425
15PIN P.C. MOUNT CONN (FEMALE)	1	J4	0017-00021-0441
15PIN P.C. MOUNT CONN (MALE)	1	J5	0017-00021-0440
22 AWG T & R BARE 2.5"	5	JW1-5	0151-00087-0000



PROJECT ENG: L. DEKKER	FULL	1 PER.	MIDWAY MFG. CO.
M.M. 5/3/82	POWER SUPPLY 125VA W/CKT SUPORT A082-90412-D000		M051-00945-D007



NOTES:
1. A* = WHEN USED
2. B* = BOTTOM TERMINAL
3. S* = SIDE TERMINAL
4. TS 1-5 = TERMINAL BARRIER STRIP POSITIONS
5. ⏚ = CHASSIS EARTH GND.
6. (- - - -) = ALTERNATE COLOR
7. TERMINATION ON CAPACITOR POST
8. NOT AVAILABLE ON MT-101A

POWER CHASSIS #125 VA
115 V. — 60 Hz.
PART NO. A945-00020-0000
DWG. NO. M051-00945-B037

BALLY / MIDWAY
10601 W. BELMONT AVE.
FRANKLIN PARK, IL. 60131

REV. (A)	INCREASED FUSE VALUES WAS 3AMP - NOW 4AMP ADDED PART NO. (UL)	MB 3-15-83
REV. (B)	INCREASED FUSE VALUE WAS 3AMP - NOW 4AMP	MB 3-24-83

DISC OF TRON

OPTION SWITCH SETTINGS

////////////////SWITCH NO. 1 - AT B 3 - LOCATED ON SOUND I/O P.C. BOARD////////////////

DURING GAME PLAY:	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8	SW#9	SW#10
	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED		NOT USED	NOT USED	
UPRIGHT / MINI							ON			
COCKTAIL TABLE							OFF			
FREEZE VIDEO										ON
** NORMAL OPERATION										OFF

////////////////SWITCH NO. 3 - AT D 14 - LOCATED ON SOUND I/O P.C. BOARD////////////////

	SW#1	*SW#2	*SW#3	*SW#4
** NORMAL OPERATION	OFF			
SOUND I/O DIAGNOSTIC MODE	ON			
** NORMAL OPERATION		OFF		
RAM/ROM TEST NDICATES TEST RESULTS VIA ELLOW L E D ON SOUND I/O OARD: FAST FLASH = BAD ROM SLOW FLASH = BAD RAM		ON		
** NORMAL OPERATION			OFF	
OSCILLATOR TEST			ON	
** NORMAL OPERATION				OFF
FILTER TEST				ON

NO EFFECT IF SW#1 OF SWITCH NO. 3 IS IN THE "OFF" POSITION.
* FACTORY RECOMMENDED SETTINGS.

PART NO. M051-00383-A007

THE REMAINDER OF YOUR NEW GAME'S MOST COMMON OPTION SETTINGS ARE CONDUCTED DURING THE **MACHINE SETUP** PORTION OF THE SELF-TEST MODE AND WILL BE COVERED IN DETAIL IN THAT SECTION OF YOUR MANUAL.

FLUOR. LITE WIRING DIAGRAM

See the DIAGRAMS below for the appropriate WIRING SEQUENCE for each FLUOR. LITE as indicated.

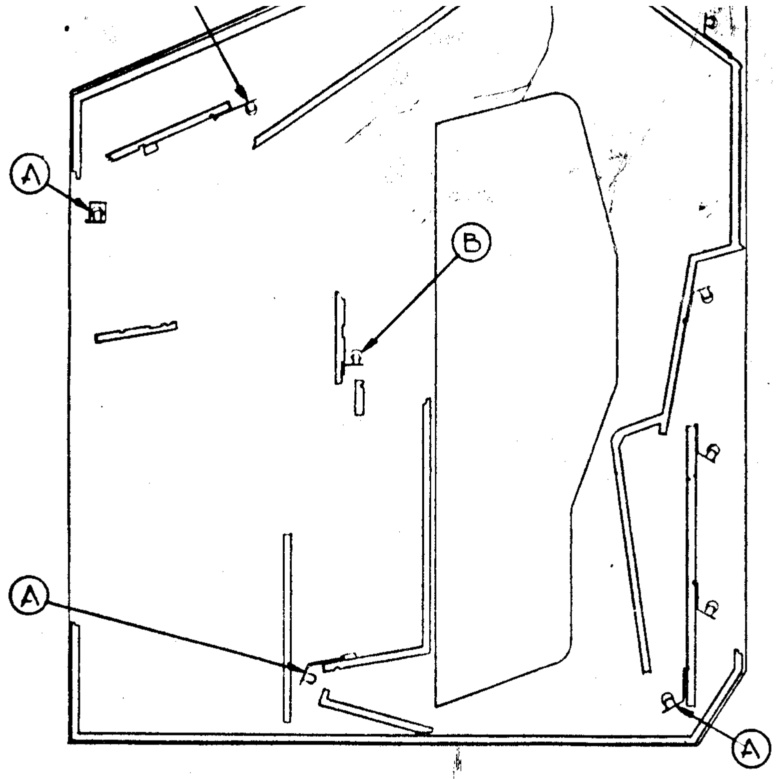
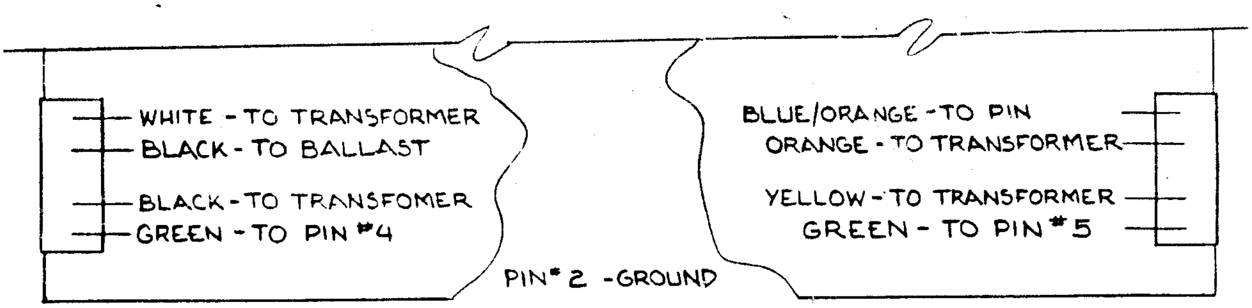


FIG. 1



WIRE DIAGRAM "A"

